STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: ML-22792	6. SURFACE: State
1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐	7. IF INDIAN, ALLOTTEE OR TRIBE NAME:
B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☑	8. UNIT or CA AGREEMENT NAME: UNIT #891008900A
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE L.P.	9. WELL NAME and NUMBER: NBU 1021-19C
3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078 / PHONE NUMBER: (435) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 620'FNL, 1904'FWL 619892X 39.938793 AT PROPOSED PRODUCING ZONE: 4421697Y -109.596768	11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 19 10S 21E
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 15.3 MILES SOUTH OF OURAY, UTAH	12. COUNTY: UINTAH / 13. STATE: UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	16. NUMBER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:
620'	643.5	40.00
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	**19. PROPOSED DEPTH:**	**20. BOND DESCRIPTION:**
REFER TO TOPO C	9,670	RLB0005237
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	**22. APPROXIMATE DATE WORK WILL START:**	**23. ESTIMATED DURATION:**
5215'GL		

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4"	9 5/8	H-40	32.3#	2,000	265 SX CLASS G	1.18 YIELD	15.6 PPG
7 7/8"	4 1/2	I-80	11.6#	9,670	2020 SX 50/50 POZ	1.31 YIELD	14.3 PPG

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
- ☑ COMPLETE DRILLING PLAN
- ☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE [signature] DATE 1/23/2007

(This space for State use only)

API NUMBER ASSIGNED: 43-047-39004

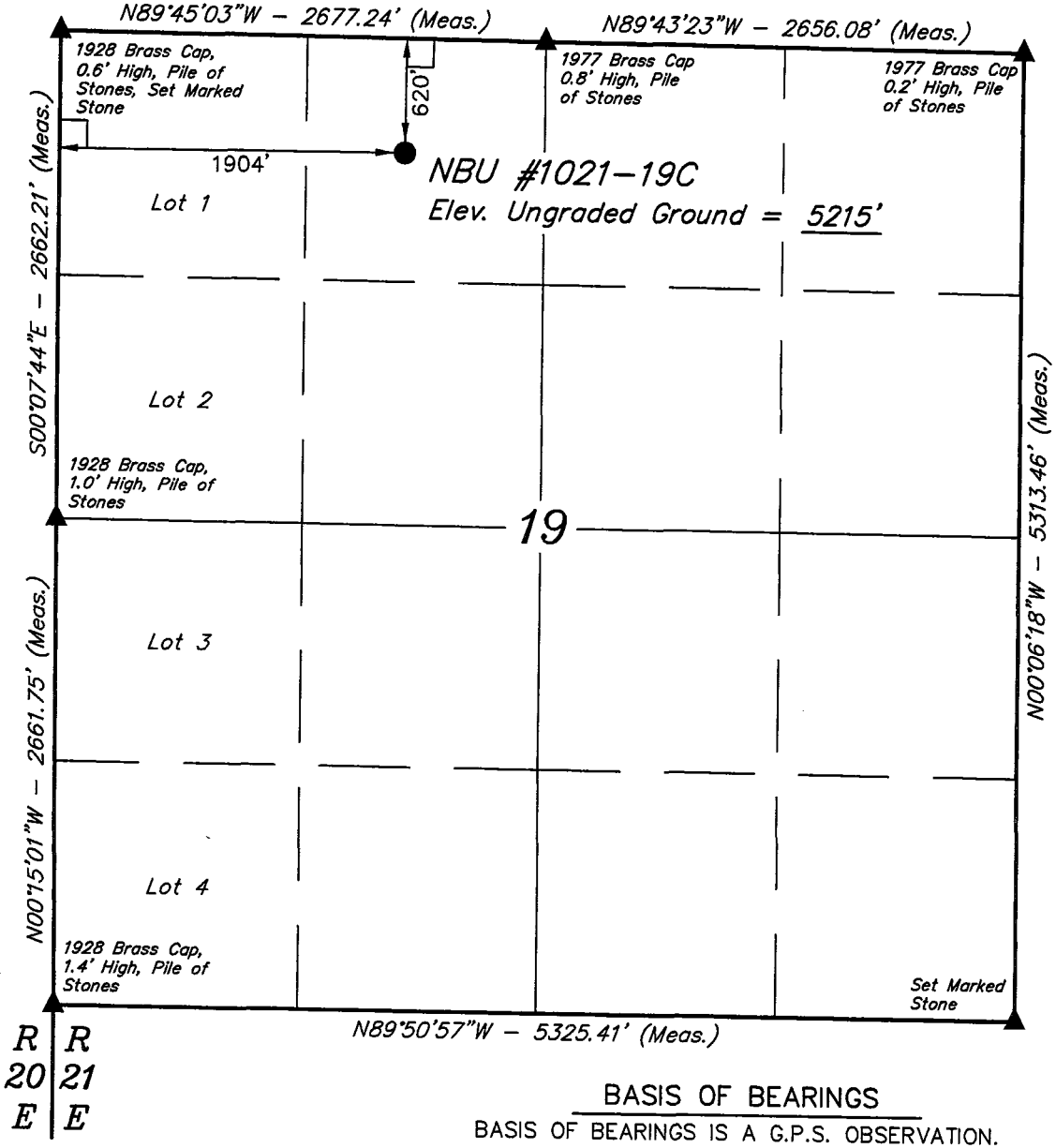
Approved by the
Utah Division of
Oil, Gas and Mining
APPROVAL:

Date: 02-28-07
By: [signature]

RECEIVED
FEB 02 2007
DIV. OF OIL, GAS & MINING

(11/2001) (See Instructions on Reverse Side)

T10S, R21E, S.L.B.&M.

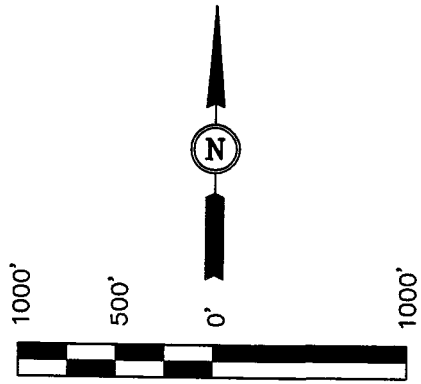


Kerr McGee Oil & Gas Onshore LP

Well location, NBU #1021-19C, located as shown in the NE 1/4 NW 1/4 of Section 19, T10S, R21E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(NAD 83)
LATITUDE = 39°56'19.49" (39.938747)
LONGITUDE = 109°35'50.89" (109.597469)
(NAD 27)
LATITUDE = 39°56'19.62" (39.938783)
LONGITUDE = 109°35'48.41" (109.596781)

LEGEND:

└ = 90° SYMBOL
● = PROPOSED WELL HEAD.
▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 11-06-06	DATE DRAWN: 11-07-06
PARTY: G.O. D.H. S.L.	REFERENCES: G.L.O. PLAT	
WEATHER: COOL	FILE: Kerr McGee Oil & Gas Onshore LP	

NBU 1021-19C
NE/NW SEC. 19, T10S, R21E
UINTAH COUNTY, UTAH
ML-22792

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Uinta	0- Surface
Green River	1208'
Top of Birds Nest Water	1443'
Mahogany	2016'
Wasatch	4478'
Mesaverde	7476'
MVU2	8462'
MVL1	9012'
TD	9670'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	1208'
Water	Top of Birds Nest Water	1443'
	Mahogany	2016'
Gas	Wasatch	4478'
Gas	Mesaverde	7476'
Gas	MVU2	8462'
Gas	MVL1	9012'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program.

6. **Evaluation Program:**

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9670' TD, approximately equals 5995 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3868 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please refer to the attached Drilling Program.

10. **Other Information:**

Please refer to the attached Drilling Program.

KerrMcGee

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP			DATE	January 23, 2007		
WELL NAME	**NBU 1021-19C**			TD	9,670' MD/TVD		
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	ELEVATION	5,215' GL	KB 5,230'	
SURFACE LOCATION	NE/NW SEC. 19, T10S, R21E 620'FNL, 1904'FWL					BHL	Straight Hole
	Latitude: 39.938747	Longitude: 109.597469					
OBJECTIVE ZONE(S)	Wasatch/Mesaverde						
ADDITIONAL INFO	Regulatory Agencies: UDOGM (SURF & MINERALS), BLM, Tri-County Health Dept.						

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'	14"		
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Catch water sample, if possible, from 0 to 4,478'					
	Green River @	**1,208'**			
	Top of Birds Nest Water @	**1443'**			
		Preset f/ GL @ 2,000' MD			
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.					
	Mahogany @	**2,016'**			Water/Fresh Water Mud 8.3-11.5 ppg
Mud logging program TBD Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2",11.6#, I-80 or equivalent LTC casing	
	Wasatch @	**4,478'**			
	Mverde @	**7,476'**			
	MVU2 @	**8,462'**			
	MVL1 @	**9,012'**			
	TD @	**9,670'**			Max anticipated Mud required 11.5 ppg

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						2270	1370	254000
SURFACE	9-5/8"	0 to 2000	32.30	H-40	STC	0.62*******	1.46	4.49
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 9670	11.60	I-80	LTC	2.13	1.10	2.05

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.5 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3655 psi

******** Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		**NOTE: If well will circulate water to surface, option 2 will be utilized**					
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,970'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	430	60%	11.00	3.38
	TAIL	5,700'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1590	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

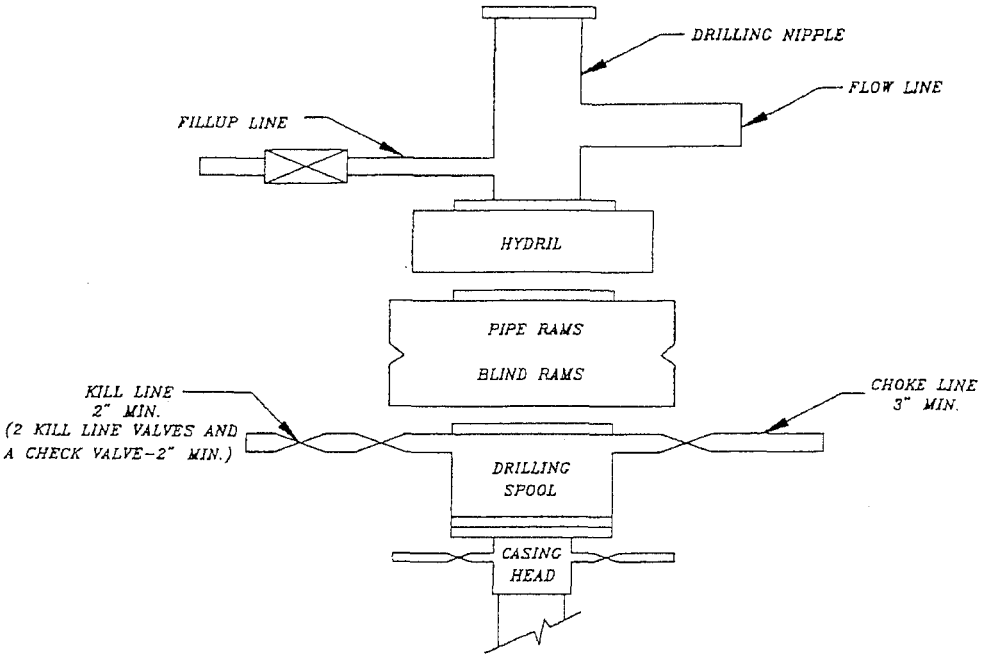
DRILLING ENGINEER: _____ **DATE:** _____

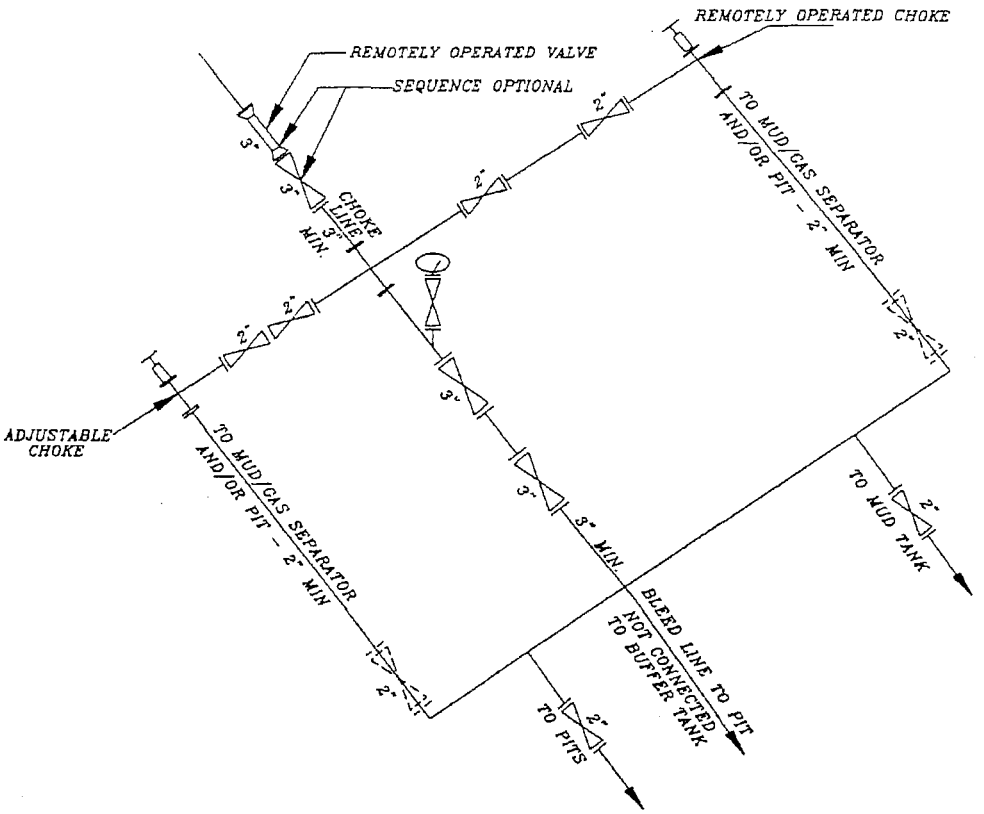
Brad Laney

DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne

5M BOP STACK and CHOKE MANIFOLD SYSTEM





NBU 1021-19C
NE/NW SEC. 19, T10S, R21E
Uintah County, UT
ML-22792

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. **Planned Access Roads:**

Approximately 0.2 +/- miles of new access road is proposed. Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain

fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

A 30' rights-of-way will be required for approximately 12050' +/- of 4" pipeline is proposed from the an existing pipeline. The pipeline in N/2 of Sec. 29, T10S, R21E (Lease #ML-21330), the pipeline shall cross in to SW/4, Sec. 20, T10S, R21E onto BLM Lands (Lease #UTU-02278); then travel back onto State Lands in NE/2 Sec. 19, T10S, R21E (Lease #ML-22792); then travel into State Lands S/4 of Sec. 18, T10S, R21E (Lease #ML-22791); then travel into State Lands in Sec. 19, T10S, R21E (Lease #ML-22792) to tie-in the proposed well location. Please refer to the attached Topo Map D for pipeline placement.

Approximately 2055' +/- of 4" pipeline is proposed from an existing pipeline. The pipeline shall run from an existing pipeline in Sec 19, T10S, R21E (Lease #ML-22792); then travel onto S/4 of Sec. 18, T10S, R21E (Lease #ML-22791); then travel back on State Lands in Sec. 19, T10S, R21E (ML-22792) to tie-in the proposed pipeline for the 1021-19D location. Please refer to Topo Map D for pipeline placement.

5. **Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. **Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. **Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days

after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 20 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey will be submitted when report becomes available.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operators's Representative & Certification:

Sheila Upchego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East.
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Sheila Upchego

1/23/2007
Date

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-19C
SECTION 19 T10S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 11.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 46.3 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-19C

LOCATED IN UINTAH COUNTY, UTAH
SECTION 19, T10S, R21E, S.L.B.&M.

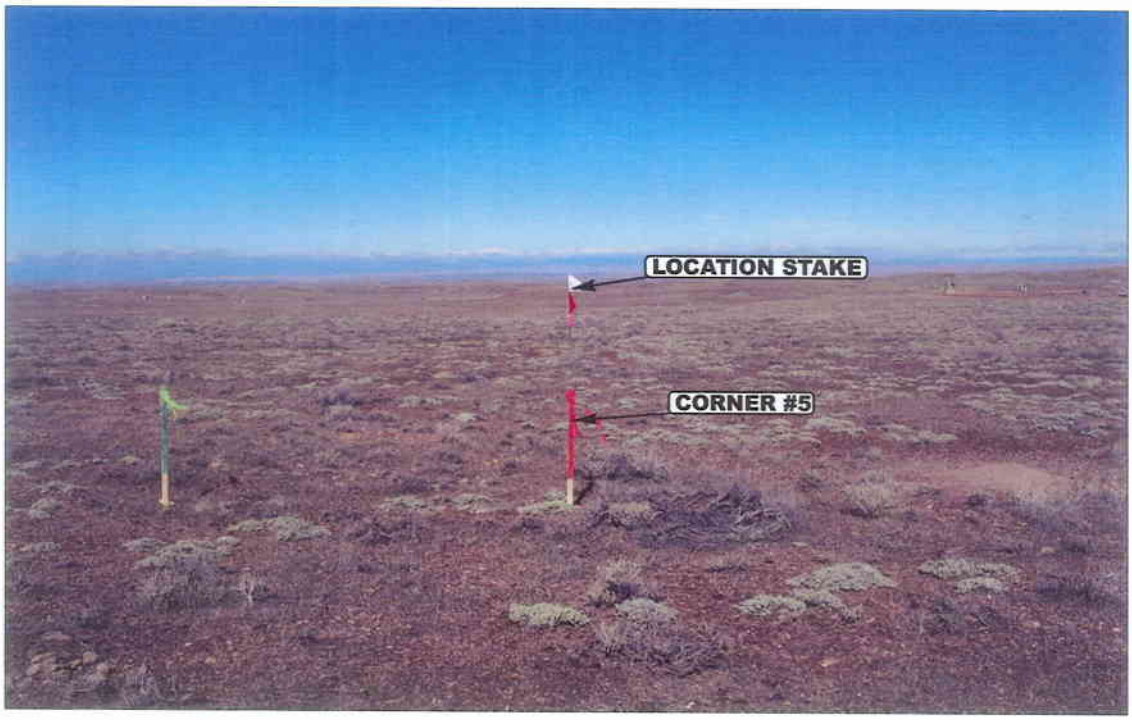
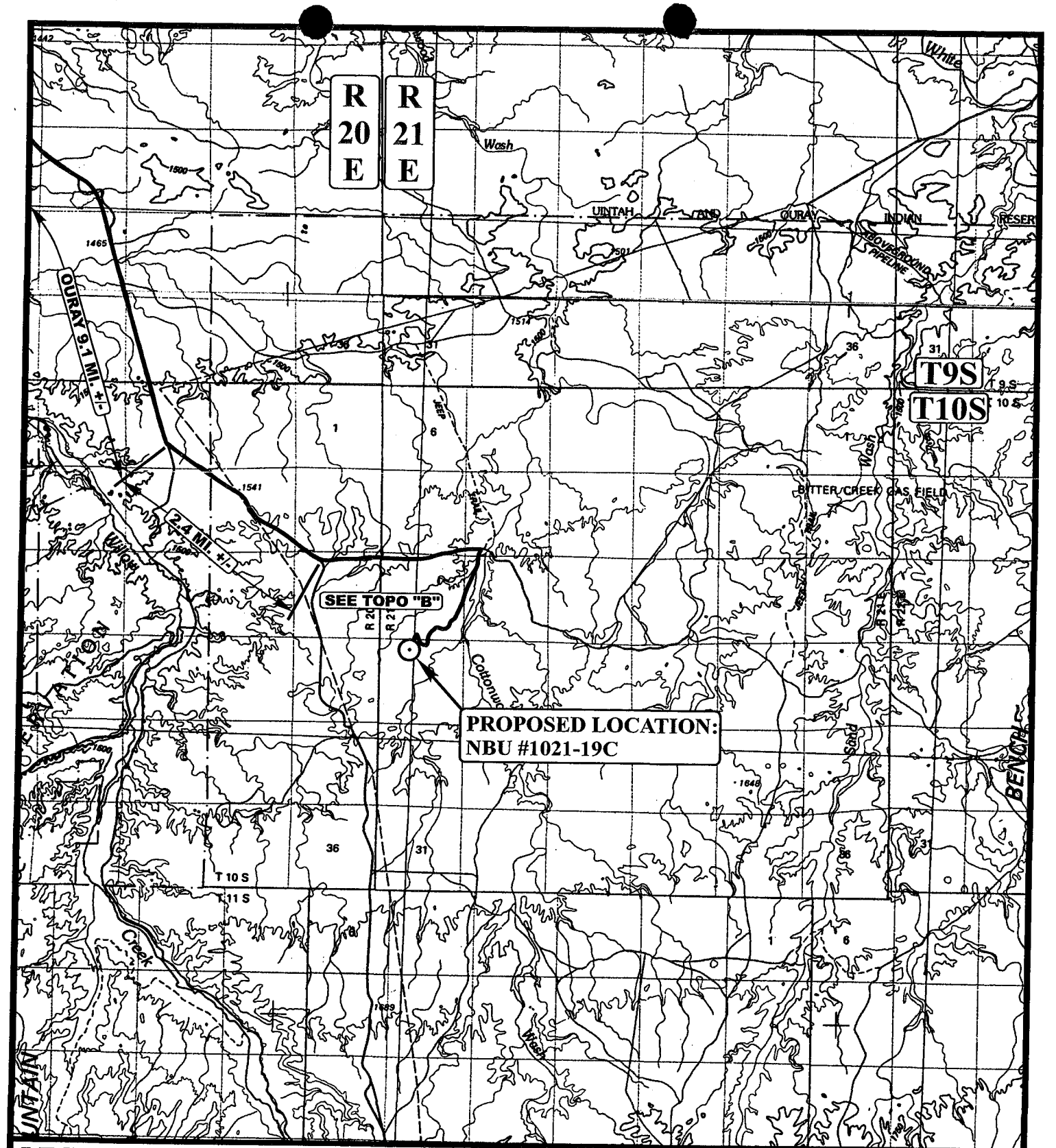


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: NORTHWESTERLY**

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: SOUTHWESTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	11 MONTH	03 DAY	06 YEAR	PHOTO
TAKEN BY: G.O.	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

⊙ PROPOSED LOCATION

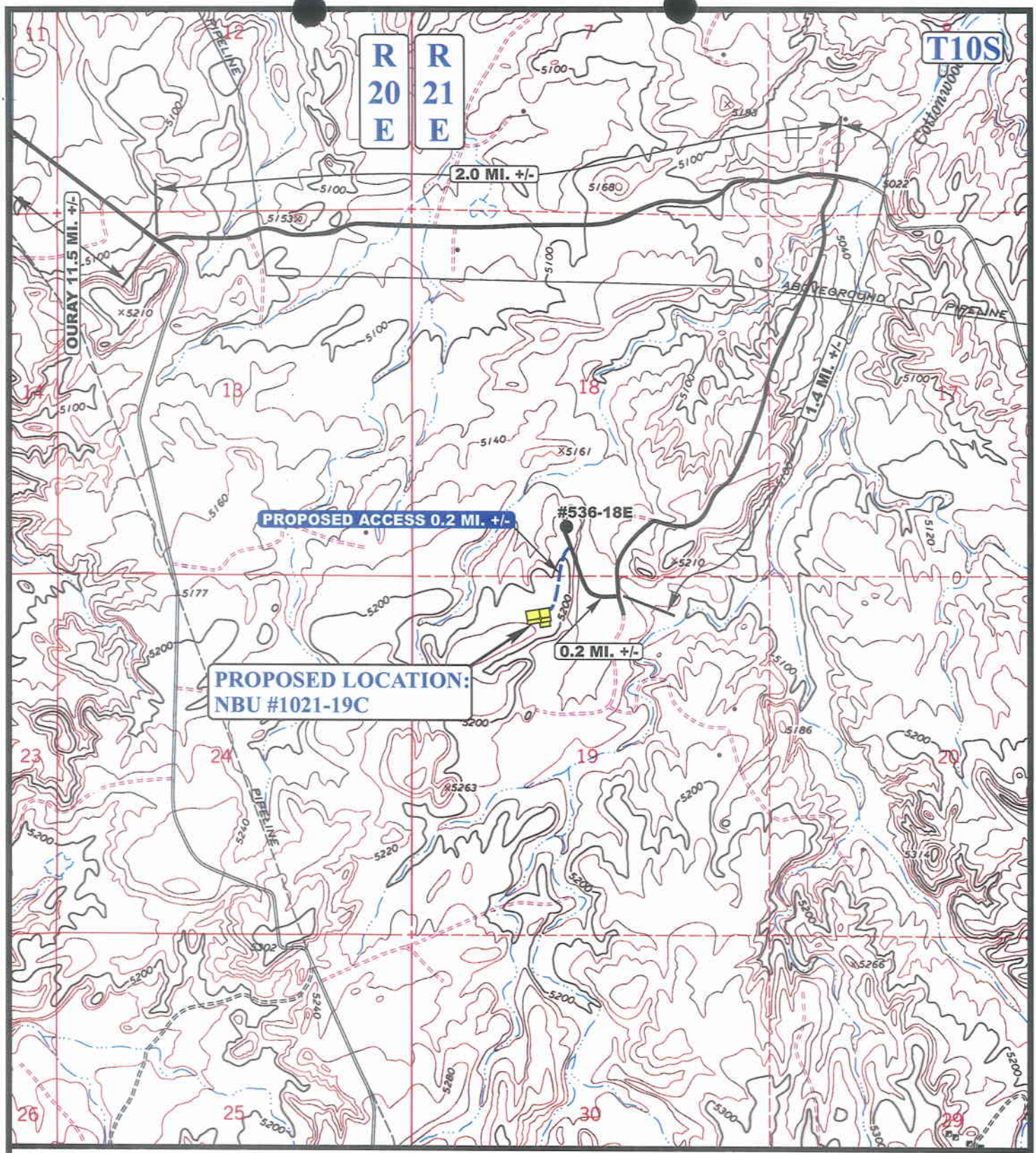
N

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-19C
SECTION 19, T10S, R21E, S.L.B.&M.
620' FNL 1903' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	11 MONTH	03 DAY	06 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

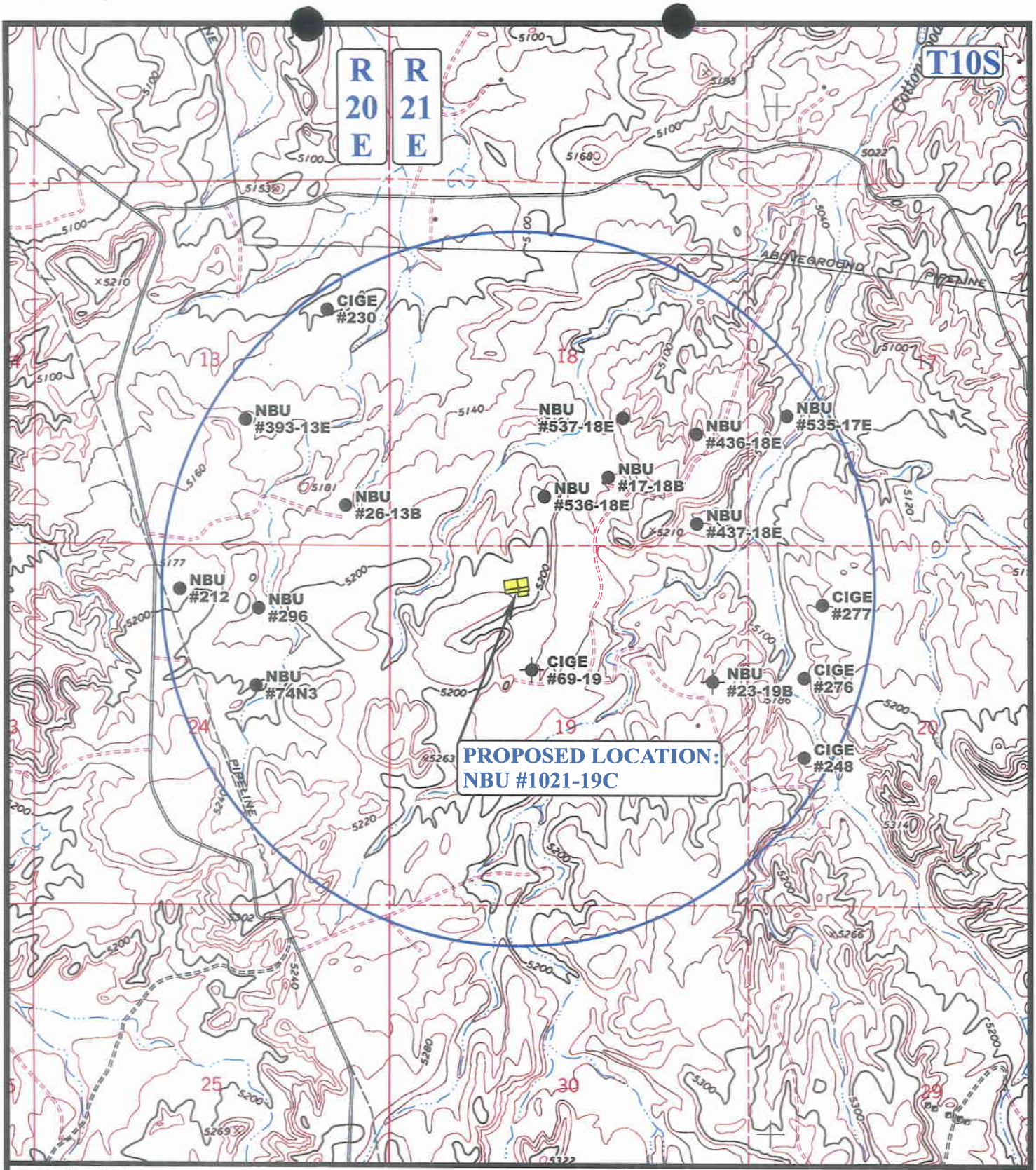
N

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-19C
SECTION 19, T10S, R21E, S.L.B.&M.
620' FNL 1903' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	11 MONTH	03 DAY	06 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

Kerr-McGee Oil & Gas Onshore LP

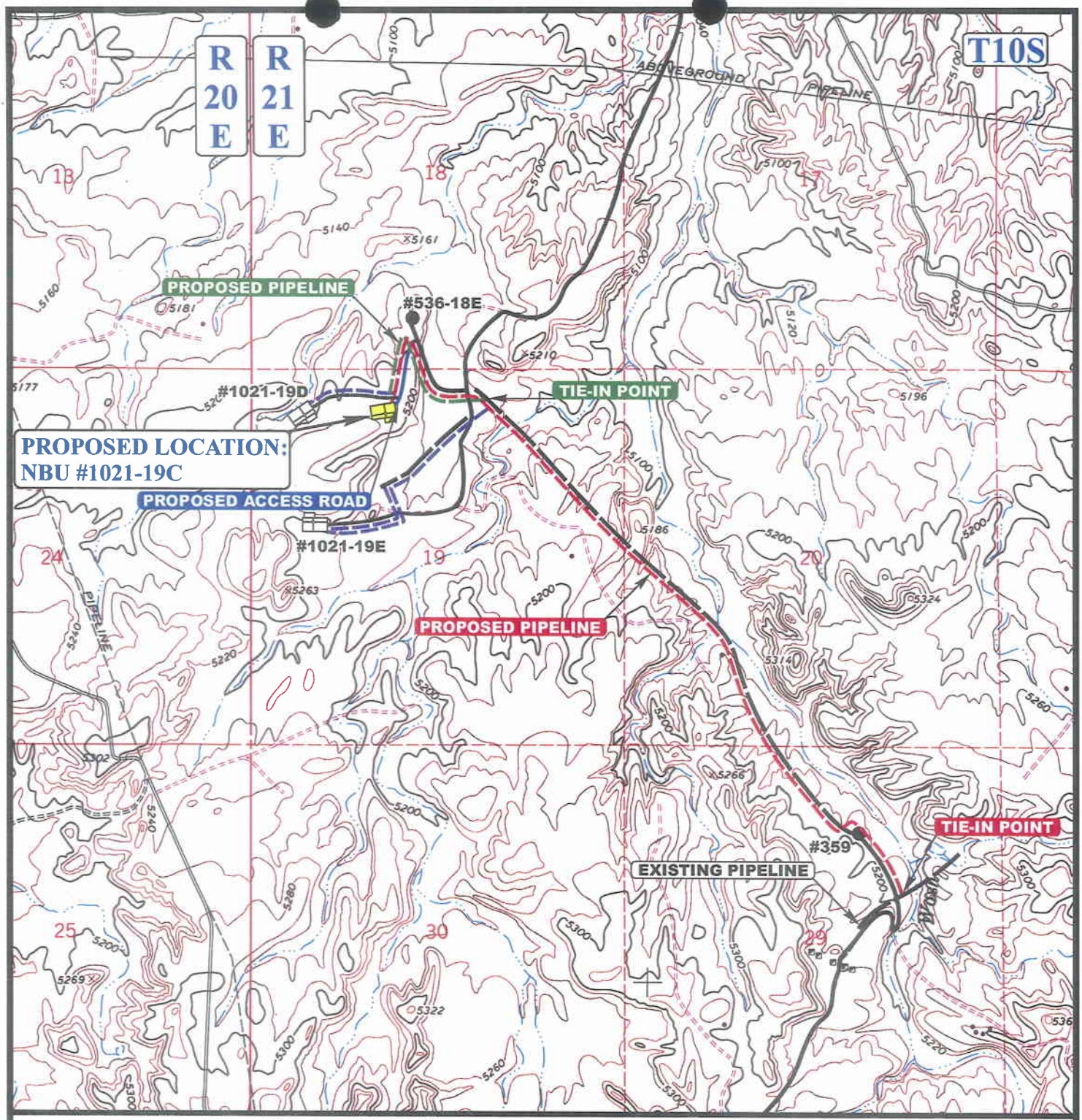
NBU #1021-19C
SECTION 19, T10S, R21E, S.L.B.&M.
620' FNL 1903' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 11 MONTH | 03 DAY | 06 YEAR

SCALE: 1" = 2000' | DRAWN BY: C.P. | REVISED: 00-00-00

C TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 2,055' +/-

APPROXIMATE TOTAL PIPELINE DISTANCE = 12,050' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE
PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-19C
SECTION 19, T10S, R21E, S.L.B.&M.
620' FNL 1903' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 11 MONTH | 03 DAY | 06 YEAR

SCALE: 1" = 2000' | DRAWN BY: C.P. | REVISED: 00-00-00

D TOPO

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-19C

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH
SECTION 19, T10S, R21E, S.L.B.&M.

PHOTO: VIEW FROM TIE-IN POINT **CAMERA ANGLE: WESTERLY**

PHOTO: VIEW OF PIPELINE ALIGNMENT **CAMERA ANGLE: SOUTHWESTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS	11 MONTH	03 DAY	06 YEAR	PHOTO
TAKEN BY: G.O.	DRAWN BY: C.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

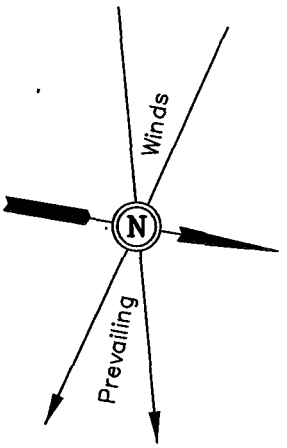
FIGURE #1

LOCATION LAYOUT FOR

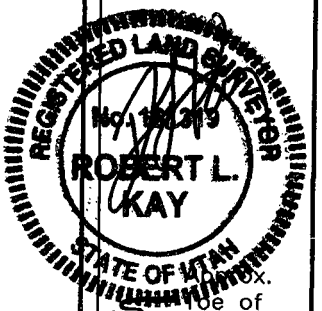
NBU #1021-19C

SECTION 19, T10S, R21E, S.L.B.&M.

620' FNL 1904' FWL



SCALE: 1" = 50'
DATE: 11-07-06
Drawn By: S.L.



C-4.9'
El. 19.6'
6
Topsoil Stockpile

F-2.5'
El. 12.2'
8
Sta. 3+50

58'
7
C-3.0'
El. 17.7'

200'

Approx. Top of Cut Slope

Approx. Toe of Fill Slope

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

Pit Topsoil

PIPE TUBS

CATWALK

PIPE RACKS

FLARE PIT

C-2.1'
El. 16.8'

Blooie Line

C

D

C-0.3'
El. 15.0'

LOC.

El. 18.1'
C-13.4'
(btm. pit)

70'

RIG

110'

58'

135'

Sta. 1+50

5
C-1.7'
El. 16.4'

MUD TANKS

DOG HOUSE

TOILET

1
F-3.3'
El. 11.4'

LIGHT PLANT

BOILER

TRAILER

WATER TANK

MUD TANKS

PUMP HOUSE

Reserve Pit Backfill & Spoils Stockpile

15' WIDE BENCH

RESERVE PITS (10' Deep)

150'

SLOPE 1 1/2 : 1

Total Pit Capacity W/2' of Freeboard = 9,850 Bbls. ±
Total Pit Volume = 2,780 Cu. Yds.

TRASH

C-1.7'
El. 16.4'

150'

Sta. 0+25

PROPANE STORAGE

El. 17.0'
C-12.3'
(btm. pit)

B

A

10'

3
C-0.5'
El. 15.2'

15' WIDE BENCH

4
C-1.7'
El. 16.4'

Topsoil Stockpile

Sta. 0+00

2
F-2.8'
El. 11.9'

Proposed Access Road

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5215.0'

FINISHED GRADE ELEV. AT LOC. STAKE = 5214.7'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

TYPICAL CROSS SECTIONS FOR

NBU #1021-19C

SECTION 19, T10S, R21E, S.L.B.&M.

620' FNL 1904' FWL

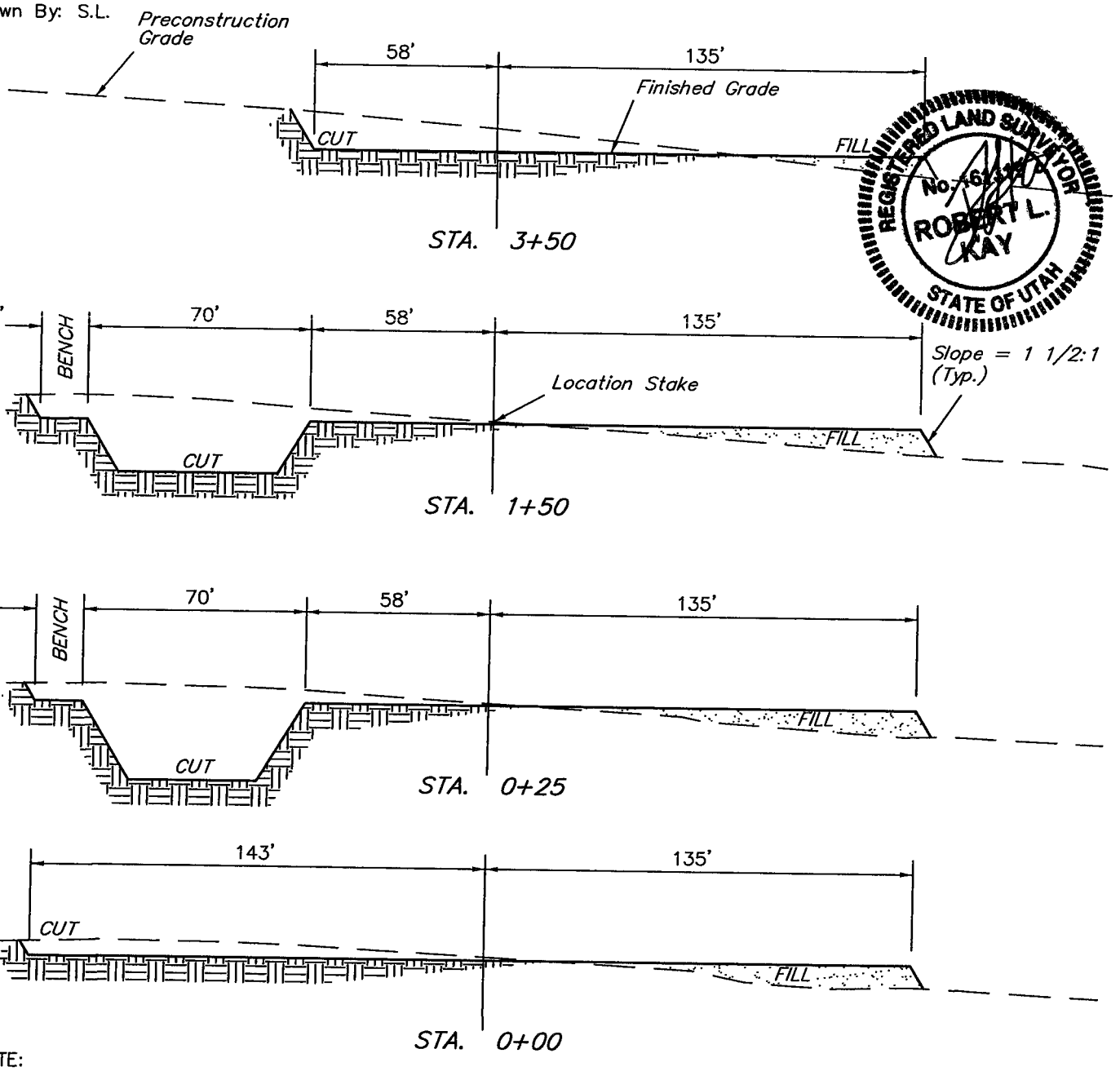
1" = 20'

X-Section Scale

1" = 50'

DATE: 11-07-06

Drawn By: S.L.



REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH

NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping = *1,670* Cu. Yds.

Remaining Location = *5,220* Cu. Yds.

TOTAL CUT = *6,890* CU.YDS.

FILL = *3,120* CU.YDS.

* *NOTE:*
FILL QUANTITY INCLUDES 5% FOR COMPACTION

EXCESS MATERIAL = *3,770* Cu. Yds.

Topsoil & Pit Backfill (1/2 Pit Vol.) = *3,060* Cu. Yds.

EXCESS UNBALANCE (After Interim Rehabilitation) = *710* Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
*85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017*

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/02/2007

API NO. ASSIGNED: 43-047-39004

WELL NAME: NBU 1021-19C
OPERATOR: KERR-MCGEE OIL & GAS (N2995)
CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:
NENW 19 100S 210E
SURFACE: 0620 FNL 1904 FWL
BOTTOM: 0620 FNL 1904 FWL
COUNTY: UINTAH
LATITUDE: 39.93879 LONGITUDE: -109.5968
UTM SURF EASTINGS: 619892 NORTHINGS: 4421697
FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DRD	2/27/07
Geology		
Surface		

LEASE TYPE: 3 - State
LEASE NUMBER: ML-22792
SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD
COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

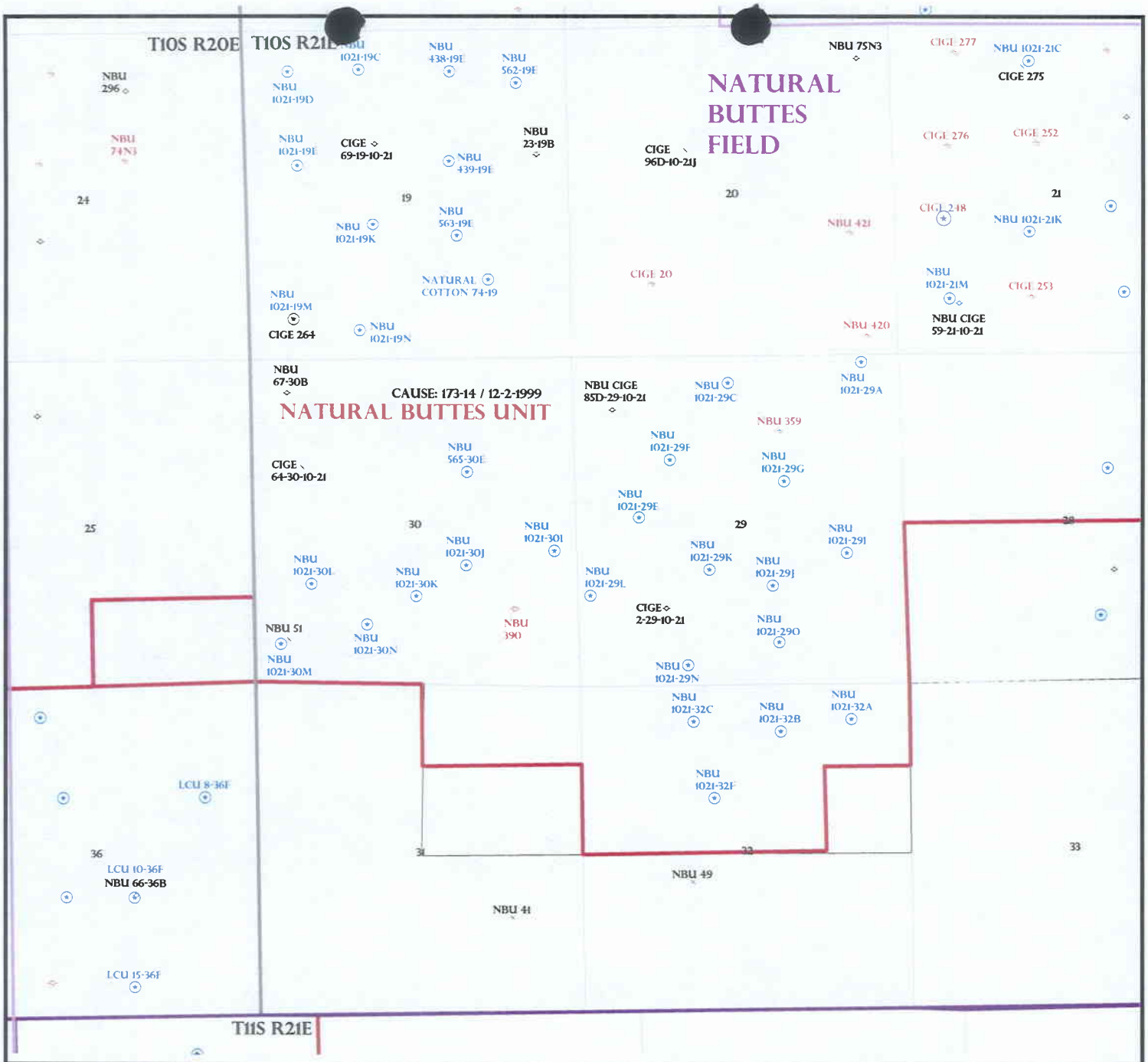
✓ Plat
✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 22013542)
N Potash (Y/N)
Y Oil Shale 190-5 (B) or 190-3 or 190-13
✓ Water Permit
(No. 43-8496)
N RDCC Review (Y/N)
(Date:)
NA Fee Surf Agreement (Y/N)
NA Intent to Commingle (Y/N)

LOCATION AND SITING:

____ R649-2-3.
Unit: NATURAL BUTTES
____ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
____ R649-3-3. Exception
✓ Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-1999
Siting: 460' fr u bdr & uncomm. tracts
____ R649-3-11. Directional Drill

COMMENTS: Needs Presite (Rec'd 2-13-07)

STIPULATIONS: 1- Oil Shale
2- Surface Csg Cut stip
3- STATEMENT OF BASIS



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 19,29,30,32 T.10S R. 21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N
W E
S

PREPARED BY: DIANA MASON
DATE: 7-FEBRUARY-2007

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
230	43-047-39004-00-00		GW	S	No

Operator	KERR-MCGEE OIL & GAS ONSHORE, LP	**Surface Owner-APD**	
Well Name	NBU 1021-19C	**Unit**	
Field	UNDESIGNATED	**Type of Work**	
Location	NENW 19 10S 21E S 0 F L 0 F L	GPS Coord (UTM) 619892E	4421697N

Geologic Statement of Basis

Kerr McGee proposes to set 2,000' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 5,200'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 19. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought up above the base of the moderately saline ground water to isolate it from fresher waters uphole.

Brad Hill	2/21/2007
APD Evaluator	**Date / Time**

Surface Statement of Basis

The general area is within the Cottonwood Wash Drainage. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle draws, which flow into Cottonwood Wash. The draws are occasionally rimed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Cottonwood Wash is an ephemeral drainage, which drains northerly approximately 11 miles to the White River. No seeps, springs or streams exist in the area.

This location is approximately 15 miles southeast of Ouray, Ut. and is accessed by the Seep Ridge Road then by existing or planned oil field development roads to within approximately 0.2 miles of the site, which will require new construction.

The proposed location is on a flat ridge or mesa which runs from the southeast to the northwest. The top breaks off into a significant draw on the southwest side of the location. No swales or drainages intersect the location.

Both the surface and minerals are owned by SITLA. Jim Davis represented SITLA at the pre-site investigation. Mr. Davis had no concerns pertaining to this location. The selected location appears to be the best site for drilling and operating a well in the immediate area.

Floyd Bartlett	2/13/2007
Onsite Evaluator	**Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, LP
Well Name NBU 1021-19C
API Number 43-047-39004-0 **APD No** 230 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 NENW **Sec** 19 **Tw** 10S **Rng** 21E 0 FL 0 FL
GPS Coord (UTM) 619891 4421696 **Surface Owner**

Participants

Floyd Bartlett and David Hackford (DOGM), Jim Davis (SITLA), Carroll Estes, Tony Kznick, and Clay Einerson (Kerr McGee), David Kay (Uintah Engineering and Land Surveying), and Ben Williams (UDWR)

Regional/Local Setting & Topography

The general area is within the Cottonwood Wash Drainage. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle draws, which flow into Cottonwood Wash. The draws are occasionally rimed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Cottonwood Wash is an ephemeral drainage, which drains northerly approximately 11 miles to the White River. No seeps, springs or streams exist in the area.

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The proposed location is on a flat ridge or mesa which runs from the southeast to the northwest. The top breaks off into a significant draw on the southwest side of the location. No swales or drainages intersect the location.

Surface Use Plan

Current Surface Use
Grazing
Recreational
Wildlfe Habitat

New Road Miles	Well Pad		Src Const Material	Surface Formation
0.2	**Width** 278	**Length** 350	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Snow covered the vegetation on the area. Identifiable vegetation consisted of shadscale, cheat grass, and dead black sage. Vegetation is very sparse.

Soil Type and Characteristics

Deep sandy loam with no exposed surface rock.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potental Observed?** N **Cultural Survey Run?** Y **Cultural Resources?** N

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
	Final Score	25 1 **Sensitivity Level**

Characteristics / Requirements

The proposed reserve pit is 70' x 150' x 10' deep located in a cut on the south east corner of the location. A 20 mil liner with a felt sub-liner is planned by Kerr McGee.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 20 **Pit Underlayment Required?** Y

Other Observations / Comments

Ben Williams representing the UDWR stated the area is classified as yearlong critical habitat for antelope. He stated that the lack of water not forage is the limiting factor affecting the herd in the area. He recommended no restrictions for antelope. No other wildlife is expected to be significantly affected. He gave Jim Davis of SITLA and Carroll Estes of Kerr McGee a copy of his wildlife evaluation and a UDWR recommended seed mix to be used when revegetating the location.

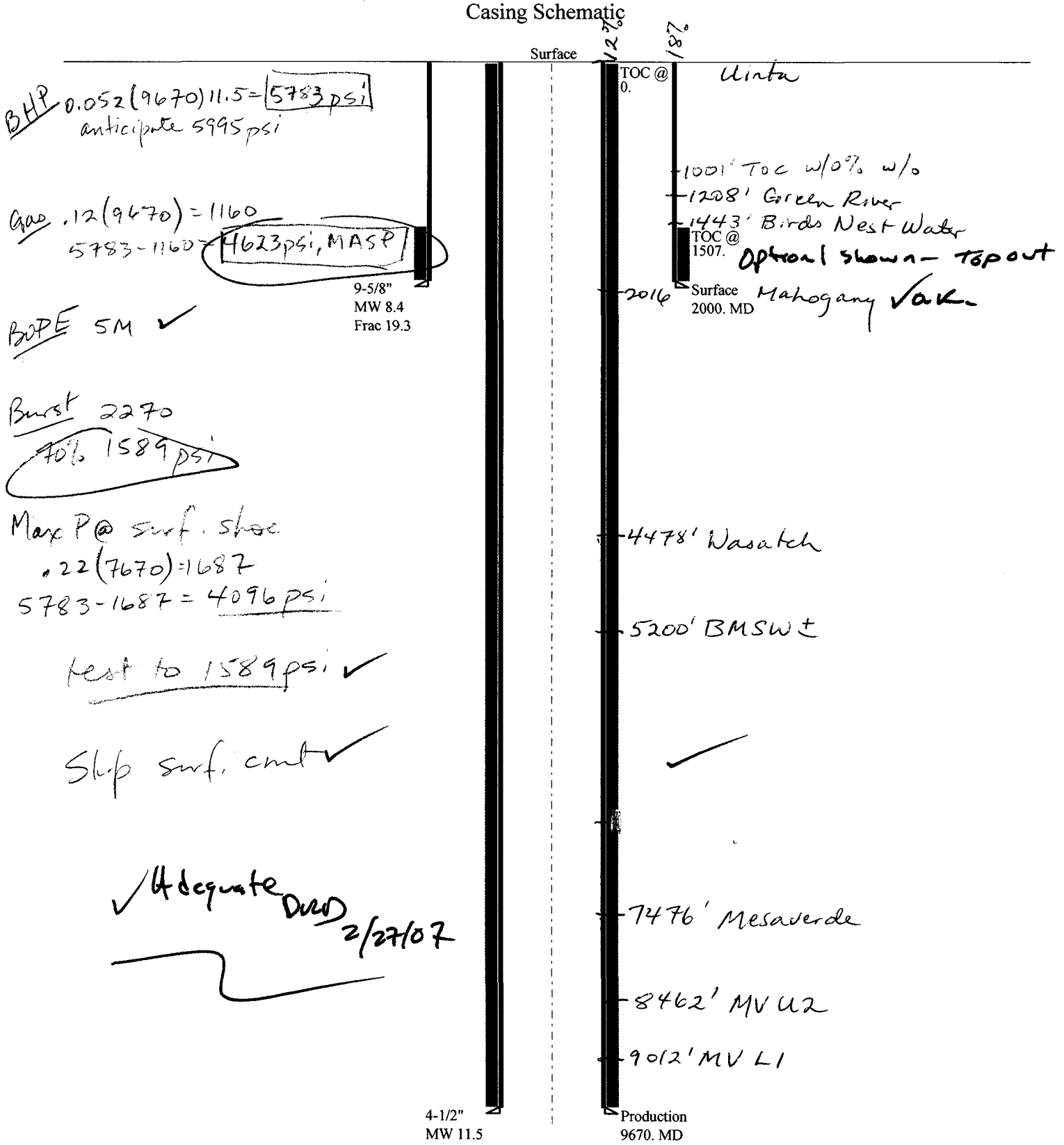
The area was covered with snow. ATV's were used to access the site.

Floyd Bartlett — **Evaluator**

2/13/2007 — **Date / Time**

2007-02 Kerr McGee NBU 1021-19C

Casing Schematic



BHP 0.052(9670)11.5 = 5783 psi
anticipate 5995 psi

Gas .12(9670) = 1160
5783 - 1160 = 4623 psi, MASP

BOPE 5M ✓

Burst 2270
70% 1589 psi

Max P @ surf. shoe
.22(7670) = 1687
5783 - 1687 = 4096 psi

Test to 1589 psi ✓

Slip surf. cmt ✓

✓ Adequate DWD 2/27/07

Well name:	**2007-02 Kerr McGee NBU 1021-19C**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Surface
Project ID:	43-047-39004
Location:	Uintah County, Utah

Design parameters:

Collapse
Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,760 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,000 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 1,753 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 103 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 1,507 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 9,670 ft
Next mud weight: 11.500 ppg
Next setting BHP: 5,777 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,000 ft
Injection pressure: 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	2000	9.625	32.30	H-40	ST&C	2000	2000	8.876	883.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	873	1370	1.570	2000	2270	1.13	57	254	4.48 J

Prepared by: Helen Sadik-Macdonald, Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: February 22,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2007-02 Kerr McGee NBU 1021-19C**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Production
Project ID:	43-047-39004
Location:	Uintah County, Utah

Design parameters:

Collapse
Mud weight: 11.500 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 3,649 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 5,777 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 8,008 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 210 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	9670	4.5	11.60	I-80	LT&C	9670	9670	3.875	843.9

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5777	6360	1.101	5777	7780	1.35	93	212	2.28 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: February 22,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 9670 ft, a mud weight of 11.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

February 7, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Natural Buttes Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION

(Proposed PZ Wasatch/MesaVerde)

43-047-39004 NBU 1021-19C Sec. 19 T. 10S R. 21E 0620 FNL 1904 FWL
43-047-39005 NBU 1021-19D Sec. 19 T. 10S R. 21E 0637 FNL 0755 FWL
43-047-39006 NBU 1021-19E Sec. 19 T. 10S R. 21E 2146 FNL 0879 FWL
43-047-39007 NBU 1021-19K Sec. 19 T. 10S R. 21E 2181 FSL 2092 FWL
43-047-39008 NBU 1021-19N Sec. 19 T. 10S R. 21E 0462 FSL 1845 FWL
43-047-39009 NBU 1021-29L Sec. 29 T. 10S R. 21E 1398 FSL 0190 FWL
43-047-39010 NBU 1021-29O Sec. 29 T. 10S R. 21E 0615 FSL 2115 FEL
43-047-39011 NBU 1021-29N Sec. 29 T. 10S R. 21E 0250 FSL 1764 FWL
43-047-39012 NBU 1021-29J Sec. 29 T. 10S R. 21E 1532 FSL 2192 FEL
43-047-39013 NBU 1021-29K Sec. 29 T. 10S R. 21E 1804 FSL 2143 FWL
43-047-39014 NBU 1021-29I Sec. 29 T. 10S R. 21E 2060 FSL 0962 FEL
43-047-39015 NBU 1021-29G Sec. 29 T. 10S R. 21E 2090 FNL 1960 FEL
43-047-39016 NBU 1021-29F Sec. 29 T. 10S R. 21E 1718 FNL 1529 FWL
43-047-39017 NBU 1021-29E Sec. 29 T. 10S R. 21E 2635 FNL 1010 FWL
43-047-39018 NBU 1021-29C Sec. 29 T. 10S R. 21E 0476 FNL 2501 FWL
43-047-39019 NBU 1021-29A Sec. 29 T. 10S R. 21E 0170 FNL 0627 FEL
43-047-39020 NBU 1021-30I Sec. 30 T. 10S R. 21E 2131 FSL 0387 FEL
43-047-39021 NBU 1021-30J Sec. 30 T. 10S R. 21E 1901 FSL 1827 FEL
43-047-39022 NBU 1021-30K Sec. 30 T. 10S R. 21E 1398 FSL 2686 FWL
43-047-39023 NBU 1021-30L Sec. 30 T. 10S R. 21E 1602 FSL 0980 FWL
43-047-39024 NBU 1021-30M Sec. 30 T. 10S R. 21E 0612 FSL 0462 FWL

43-047-39025 NBU 1021-30N Sec. 30 T. 10S R. 21E 0942 FSL 1876 FWL
43-047-39026 NBU 1021-32A Sec. 32 T. 10S R. 21E 0646 FNL 0955 FEL
43-047-39027 NBU 1021-32B Sec. 32 T. 10S R. 21E 0837 FNL 2117 FEL
43-047-39028 NBU 1021-32C Sec. 32 T. 10S R. 21E 0664 FNL 1840 FWL
43-047-39029 NBU 1021-32F Sec. 32 T. 10S R. 21E 1909 FNL 2165 FWL
43-047-39001 NBU 1021-01G Sec. 01 T. 10S R. 21E 2660 FSL 1765 FEL
43-047-39002 NBU 1021-01O Sec. 01 T. 10S R. 21E 0245 FSL 2619 FEL
43-047-39003 NBU 1021-01P Sec. 01 T. 10S R. 21E 0888 FSL 1309 FEL
43-047-39030 NBU 1022-18A Sec. 18 T. 10S R. 22E 1007 FNL 0512 FEL
43-047-39031 NBU 1022-24I Sec. 24 T. 10S R. 22E 2045 FSL 1166 FEL
43-047-39032 NBU 1022-25B Sec. 25 T. 10S R. 22E 0403 FNL 1971 FEL
43-047-39033 NBU 1022-25H Sec. 25 T. 10S R. 22E 2604 FNL 0825 FEL

Our records indicate the NBU 1022-25H is closer than 460 feet from the Natural Buttes Unit boundary (approximately 36 feet).

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:2-7-07

From: Ed Bonner
To: Mason, Diana
Date: 2/27/2007 8:48 AM
Subject: Well Clearance

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil

The following wells have been given cultural resources clearance by the Trust Lands Cultural Resources Group:

Kerr McGee Oil & Gas Onshore LP
- NBU 1021-19C (API 43 047 39004)
- NBU 1021-19D (API 43 047 39005)
- NBU 1021-19E (API 43 047 39006)
- NBU 1021-19K (API 43 047 39007)
- NBU 1021-19N (API 43 047 39008)
- NBU 1022-18A (API 43 047 39030)

If you have any questions regarding this matter please give me a call.

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

February 28, 2007

Kerr-McGee Oil & Gas Onshore LP
1368 S 1200 E
Vernal, UT 84078

Re: Natural Buttes Unit 1021-19C Well, 620' FNL, 1904' FWL, NE NW, Sec. 19, T. 10 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39004.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor (via e-mail)
SITLA
Bureau of Land Management, Vernal District Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

Operator: Kerr-McGee Oil & Gas Onshore LP

Well Name & Number Natural Buttes Unit 1021-19C

API Number: 43-047-39004

Lease: ML-22792

Location: NE NW **Sec.** 19 **T.** 10 South **R.** 21 East

Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office
  (801) 733-0983 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office
  (801) 733-0983 home

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

7. Surface casing shall be cemented to the surface.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22792

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 1021-19C

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 43-047-39004

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST VERNAL UT 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 620'FNL, 1904'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 19 10S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☑ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

AN ON-SITE INSPECTION WAS CONDUCTED ON 02/13/2007 WITH UDOGM AND SITLA REPRESENTATIVES. IT WAS DECIDED AT THE ON-SITE INSPECTION TO CHANGE THE PIPELINE WAS CHANGED FROM 2055" +/- OF 4" STEEL AND 12,050' +/- OF 4" PIPELINE TO APPROXIMATELY 2300' +/- OF 4" STEEL PIPELINE, APPROXIMATELY 2100' +/- OF 4" STEEL PIPELINE.

PLEASE REFER TO THE ATTACHED REVISED TOPO MAP D FOR PIPELINE PLACEMENT.

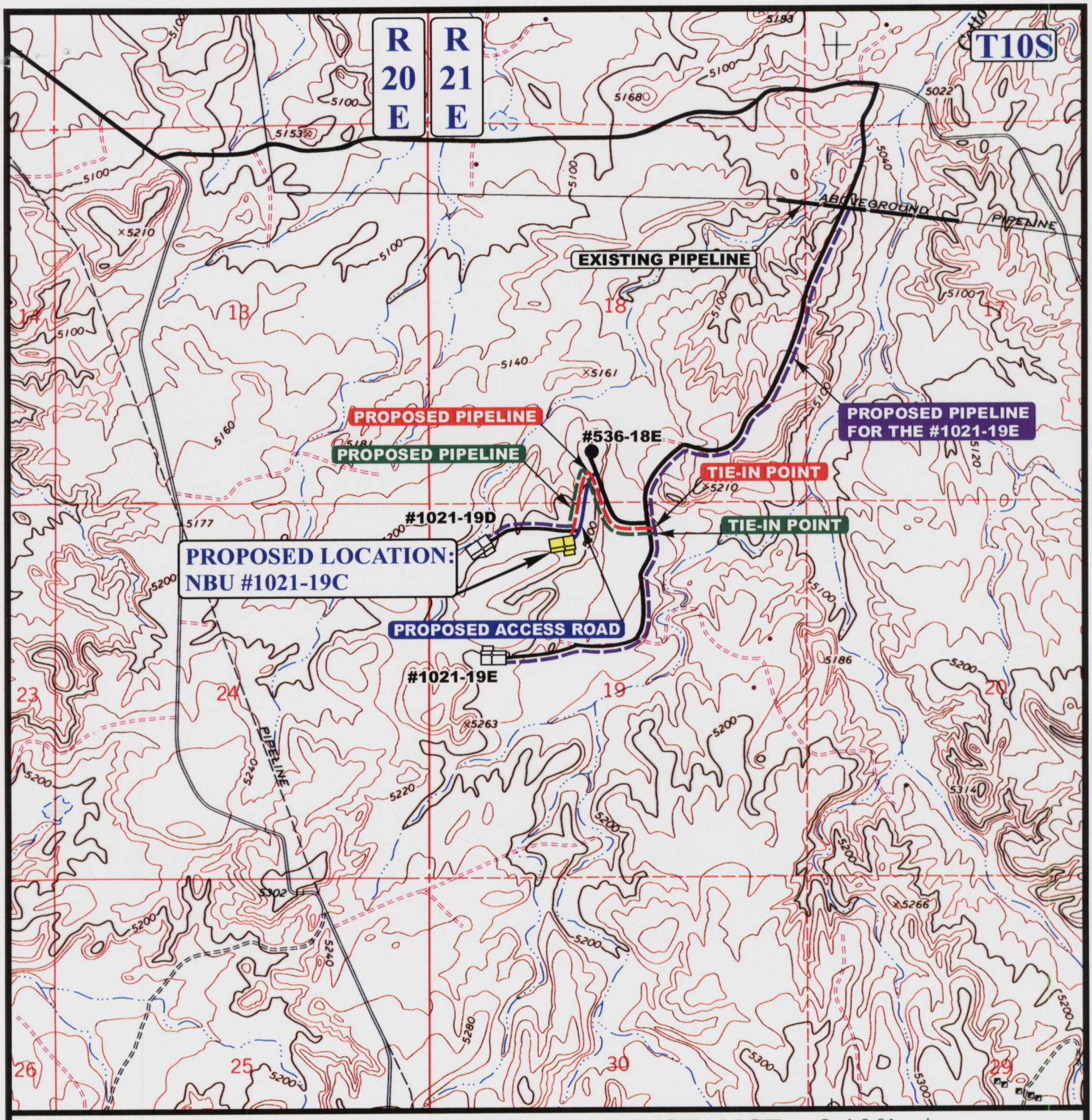
NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE DATE 3/14/2007

RECEIVED
MAR 2 1 2007
DIV. OF OIL, GAS & MINING

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)



APPROXIMATE TOTAL PIPELINE DISTANCE = 2,100' +/-

APPROXIMATE TOTAL PIPELINE DISTANCE = 2,300' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-19C
SECTION 19, T10S, R21E, S.L.B.&M.
620' FNL 1903' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	11 MONTH	03 DAY	06 YEAR	D TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 02-21-07		

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **Kerr-McGee Oil & Gas Onshore, LP**

Well Name: **NBU 1021-19C**

API No: **43-047-39004** Lease Type: **State**

Section **19** Township **10S** Range **21E** County **Uintah**

Drilling Contractor **Pete Martin** Rig # **Bucket**

SPUDDED:

Date **6-21-07**

Time **9:30 AM**

How **Dry**

Drilling will Commence:

Reported by **Lou Weldon**

Telephone # **435-781-7064**

Date **6-22-07** **Signed** **RM**

FORM 6

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995

Address: 1368 SOUTH 1200 EAST

city VERNAL

state UT zip 84078 Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739004	NBU 1021-19C		NENW	19	10S	21E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	2900	6/21/2007			6/28/07	

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 06/21/2007 AT 0930 HRS.

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737169	NBU 1022-10L		NWSW	10	10S	22E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	2900	6/21/2007			6/28/07	

R

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 06/21/2007 AT 1030 HRS.

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

To: EARLENE RUSSELL From: Sheila Upchego
(5/2000) Co./Dept. UTDOGM Co. KMG
Phone # (801) 538-5336 Phone (435) 781-7024
Fax # (801) 359-3940 Fax (435) 781-7094

SHEILA UPCHEGO
Name (Please Print)
Signature
SENIOR LAND SPECIALIST 6/25/2007
Title Date

RECEIVED
JUN 25 2007
DIV. OF OIL, GAS & MINING

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22792

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 1021-19C

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304739004

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST VERNAL UT 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 620'FNL, 1904'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 19 10S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: WELL SPUD
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 06/21/2007 AT 0930 HRS.

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JUL 02 2007
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE DATE 6/25/2007

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(5/2000) (See Instructions on Reverse Side)

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22792

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER _____

8. WELL NAME and NUMBER: NBU 1021-19C

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304739004

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST VERNAL UT 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 620'FNL, 1904'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 19 10S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
_____	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: SET SURFACE CSG
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU BILL MARTIN AIR RIG ON 06/24/2007. DRILLED 12 1/4" SURFACE HOLE TO 2060'. RAN 9 5/8" 32.3# H-40 SURFACE CSG. LEAD CMT W/180 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS THROUGHOUT JON 14 +/- BBL LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT

RECEIVED
JUL 0 2 2007
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE _____ DATE 6/26/2007

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FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22792

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 1021-19C

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304739004

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST VERNAL UT 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 620'FNL, 1904'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 19 10S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: FINAL DRILLING OPERATIONS
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 2060' TO 9650' ON 08/17/2007. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD W/327 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1276 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DISPLACE W/149.3 BBLS MAGNACIDE & CLAYTREAT BUMP PLUG 500 OVER FLOATS HELD HANG CASING 70,000# CLEAN MUD TANKS.

RELEASED PIONEER RIG 41 ON 08/19/2007 AT 2000 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE DATE 8/20/2007

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SEP 04 2007
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22972
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER
8. WELL NAME and NUMBER: NBU 1021-19C
2. NAME OF OPERATOR: KERR McGEE OIL AND GAS ONSHORE LP
9. API NUMBER: 4304739004
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078
PHONE NUMBER: (435) 781-7024
10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL
FOOTAGES AT SURFACE: 620'FNL-1904'FWL
COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 19 10S 21E
STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: PRODUCTION START UP
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 10/15/2007 @ 8:45 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

RECEIVED
OCT 24 2007
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE [signature] DATE 10/18/2007

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

Anadarko Petroleum Corporation

Anadarko Petroleum Corporation
1368 S. 1200 East
Vernal, UT 84078

CHRONOLOGICAL WELL HISTORY

NBU 1021-19C
NENW, SEC. 19, T10S, R21E
UINTAH COUNTY, UT

DATE	ACTIVITY		STATUS
06/05/07	LOCATION STARTED	PIONEER 41	
06/18/07	LOCATION COMPLETED	PIONEER 41	P/L IN, WOBR
06/21/07	SET CONDUCTOR	PIONEER 41	
06/24/07	SET AIR RIG 9 5/8" @2029	PIONEER 41	WORT

08/02/07

TD: 2060' Csg. 9 5/8" @ 2029' MW: 8.4 SD: 8/XX/07 DSS: 0
RDRT and move out front end to NBU 1021-19C. SDFN.

08/03/07

TD: 2060' Csg. 9 5/8" @ 2029' MW: 8.4 SD: 8/XX/07 DSS: 0
Move rig f/ NBU 1021-19N. 100% moved and 10% rigged up @ report time.

08/06/07

TD: 2750' Csg. 9 5/8" @ 2029' MW: 8.4 SD: 8/5/07 DSS: 1
Finish rig repair and RURT. NU and test BOPE. PU drill string and drill FE. Rotary spud @ 2200 hrs 8/5/07. Drill from 2060'-2750'. DA report time.

08/07/07

TD: 4410' Csg. 9 5/8" @ 2029' MW: 9.3 SD: 8/5/07 DSS: 2
Drill and survey from 2750'-4410'. DA report time.

08/08/07

TD: 5900' Csg. 9 5/8" @ 2029' MW: 9.6 SD: 8/5/07 DSS: 3
Drill from 4410'-5900'. DA.

08/09/07

TD: 6795' Csg. 9 5/8" @ 2029' MW: 10.0 SD: 8/5/07 DSS: 4
Drill from 5900'-6795'. DA.

08/10/07

TD: 6795' Csg. 9 5/8" @ 2029' MW: 10.0 SD: 8/5/07 DSS: 4
Drill from 5900'-6795'. DA.

08/13/07

TD: 8465' Csg. 9 5/8" @ 2029' MW: 10.7 SD: 8/5/07 DSS: 8
TIH. Repair draw works. FIH. Drill from 7103'-8465'. DA.

08/14/07

TD: 8715' Csg. 9 5/8" @ 2029' MW: 10.9 SD: 8/5/07 DSS: 9
Drill from 8465'-8513'. TFNB. Drill to 8715'. DA.

08/15/07

TD: 9070' Csg. 9 5/8" @ 2029' MW: 11.0 SD: 8/5/07 DSS: 10
Drill from 8715'-9070'. DA.

08/16/07

TD: 9340' Csg. 9 5/8" @ 2029' MW: 11.3 SD: 8/5/07 DSS: 11
Drill from 9070'-9124'. TFNB and MM. Drill to 9340'. DA.

08/17/07

TD: 9650' Csg. 9 5/8" @ 2029' MW: 11.8 SD: 8/5/07 DSS: 12
Drill from 9340'-9650' TD. Short trip 10 stds. Lost full returns. Build LCM pill @ report time.

08/20/07

TD: 9650' Csg. 9 5/8" @ 2029' MW: 11.8 SD: 8/5/07 DSS: 12
Build volume and regain returns. LDDS. Run triple combo. Run and cement 4 ½" Production Casing. Set slips and release rig @ 2000 hrs 8/19/07. RDRT.

10/04/07 **Run Tbg**
Days On Completion: 1
Remarks: 7:00 a.m. HSM. MIRU. NDWH. NUBOPE. PREP & TALLY 2 3/8" L-80 8RD 4.7# TBG. P/U 3 7/8" MILL, BIT SUB & RIH P/U TBG OFF TRAILER. TAG FILL @ 9529'. 77' FILL. R/U DRL EQUIP. R/U PMP & LINES. BRK CONV CIRC & BEG TO DRL. C/O 77' CMT. (FOUND RUBBER IN RETURNS). PBTD @ 9606'. CIRC WELL CLEAN. R/D DRL EQUIP. POOH, L/D 4 JTS. EOT @ 9480'. SWI. SDFWE.

10/05/07 **STAND BY**
Days On Completion: 3
Remarks: STAND BY.

10/08/07 **Log & Perforate**
Days On Completion: 5
Remarks: 7:00 AM HSM. PU 4 JTS. & RUN MILL BACK TO BOTTOM , 9637' . PULL & LAY DOWN 28 JTS., PULL & STAND BACK 142 1/2 STANDS. ND BOP'S, NU FRAC VALVES. RU CUTTERS, START IN HOLE, RUN TO 3000' , COULD NOT GET LOG TO WORK, PULL BACK OUT OF HOLE, CHANGE OUT LOGGING TOOL, TRY AGAIN. STILL WOULD NOT WORK. PULL OUT OF HOLE, CHANGE OUT COMPUTER. RUN TO BOTTOM & RUN CBL, CCL, GAMMA RAY LOG FROM 9630' TO SURFACE. BOND LOOKED GOOD, HIT FOAM @ 550', ESTIMATED CEMENT TOP @ SURFACE. RU BC QUICK TEST & PRESS. TEST CSG, WELL HEAD & FRAC VALVES TO 7500 PSI, HELD OK. MAKE UP CUTTERS 3 1/8" SELECT FIRE GUNS, .34" DIA. HOLES, 22" PENETRATION, 120* PHASING, 3 SPF, RIH & PERFORATE MV FORMATION AS FOLLOWS: 9386-9387' 9396-9397' 9431-9432' 9476-9477' 9499-9500' 9534-9535' 9542-9543' 9600-9601' RD CUTTERS, CLOSE IN WELL & SDFN 6:00PM

10/09/07 **PERF & FRAC**
Days On Completion: 6
Remarks: 7:00 A.M. HSM MIRU CUTTERS W.L. SVC. MIRU WEATHERFORD FRAC SVC. PRIME PMPS & PSI TST LINES TO 8500# (held). PREP TO FRAC ALL STAGES SHOT W/ 3 1/8" HSC PERF GUNS LOADED W/ 12 GM CHARGES. 3 SPF, 120 DEG PHASING (SELECT FIRE). ALL STAGES INCLUDE NALCO DVE-005 SCALE INHIB 3 GAL PER THOUSAND IN

PAD & 1/2 RAMP. 10 GAL PER THOUSAND IN FLUSH. ALL WATER TREATED W/ BIO-CLEAR 50, BIOCIDE @ 4 GAL PER THOUSAND. ALL CBP'S ARE 4 1/2" BAKER 8K CBP'S. ALL STAGES TREATED W/ 30/50 SAND.

STG 1: BRK DWN PERF'S @ 5596#, EST INJ RT @ 35 BPM @ 4650#, ISIP 3462#, F.G. .81, TREAT STG 1 W/ 63,200# SAND W/ SLK WTR. TOT CL FL 1872 BBLS, ISIP 3025#, NPI - 437#, FG .76

STG 2: P/U 3 1/8" HSC PERF GUNS & 4 1/2" BAK 8K CBP & RIH. SET CBP @ 9366'. P/U SHOOT 3 HOLES F/ 9118' - 19', 9139' - 40', 9167' - 68', 9178' - 79', 9232' - 33', 9262' - 63', 9275' - 76', 9298' - 99', 9335' - 36'. POOH. BRK DWN PERF'S @ 3617#, EST INJ RT @ 49.7 BPM @ 5500#, ISIP 3055#, FG .77, TREAT STG 2 W/ 51,400# SAND W/ SLK WTR. TOT CL FL 1388 BBLS. ISIP 3177#, NPI 122#, FG .79

STG 3: P/U 3 1/8" HSC PERF GUNS & 4 1/2" BAK 8K CBP & RIH. SET CBP @ 9086'. P/U SHOOT 3 HOLES F/ 9062' - 63', 9025' - 26', 9008' - 09', 8965' - 66', 8930' - 31', 8881' - 82', 8872' - 73', POOH. BRK DWN PERF'S @ 3757#, EST INJ RT @ 45 BPM @ 6400#, ISIP 2722#, FG .75, TREAT STG 3 W/ 56,400# SAND W/ SLK WTR. TOT CL FL 1494 BBLS. ISIP 3065#, NPI 343#, FG .78

STG 4: P/U 3 1/8" HSC PERF GUNS & 4 1/2" BAK 8K CBP & RIH. SET CBP @ 8854', P/U SHOOT 3 HOLES F/ 8841' - 42', 8833' - 34', 8775' - 76', 8730' - 31', 8725' - 26', 8710' - 11', 8694' - 95', 8687' - 88'. POOH. BRK DWN PERF'S @5085#, EST INJ RT @ 44.4 BPM @ 6500#, ISIP 3040#, FG .79. TREAT STG 4 W/ 51,500# SAND W/ SLK WTR. TOT CL FL 1375 BBLS. ISIP 2791#, NPI -249#, FG .76

STG 5: P/U 3 1/8" HSC PERF GUNS & 4 1/2" BAK 8K CBP & RIH. SET CBP @ 8314'. P/U SHOOT 3 HOLES F/ 8283' - 84', 8266' - 67', 8253' - 54', 8245' - 46', 8209' - 10', 8128' - 29', 8065' - 66', 8059' - 60', 8038' - 39', 8025' - 26', POOH. BRK DWN PERF'S @ 2933#, EST INJ RT @ 49.6 BPM @ 6100#, ISIP 2477#, FG .75, TREAT STG 5 W/ 61,275# SAND W/ SLK WTR. TOT CL FL 1599 BBLS. ISIP 3125#, NPI 648#, FG .82

10/10/07 **PERF & FRAC**
Days On Completion: 7
Remarks: 7:00 A.M. HSM CONT TO FRAC.

STG 6: BRK PERF'S DWN @ 4778#, EST INJ RT @ 50.7 BPM @ 5900#, ISIP 2095#, FG .71, TREAT STG 6 W/ 69,000# SAND W/ SLK WTR. TOT CL FL 1780 BBLS. ISIP 3035#, NPI 940#, FG .83

STG 7: P/U 3 1/8" HSC PERF GUNS & 4 1/2" BAK 8K CBP & RIH. SET CBP @ . P/U SHOOT 3 HOLES F/ 7703' - 04', 7691' - 92', 7642' - 43', 7590' - 91', 7586' - 87', 7579' - 80', 7563' - 64', 7549' - 50', 7525' - 26', POOH. BRK DWN PERF'S @ 7006#, EST INJ RT @ 51.9 BPM @ 6150#, ISIP 2598#, FG .78, TREAT STG 7 W/89,300# SAND W/ SLK WTR. TOT CL FL 2124 BBLS. ISIP 2878#, NPI 280#, FG .82 P/U 4 1/2" BAK 8K CBP & RIH. SET KILL PLUG @ 7475'. POOH. RDMO CUTTERS. RDMO WEATHERFORD. ND FRAC VLV'S. NU BOPE. P/U 3 7/8" SMITH BIT. POBS & RIH W/ TBG.

10/11/07 **DRILL CBP'S**
Days On Completion: 8
Remarks: 7:00 A.M. HSM. SICP 0#. BRK CONV CIRC W/ 2% KCL & BEG TO DRL. DRL UP 1ST CBP @ 7475' IN 10 MIN. (600# PSI INC). CONT TO RIH. TAG FILL @ 7650', (70' FILL). C/O TO 2ND CBP @ 7720'. DRL UP 2ND CBP IN 10 MIN. (500# PSI INC). CONT TO RIH. TAG FILL @ 7920', (70' FILL). C/O TO 3RD CBP @ 7990'. DRL UP 3RD CBP IN 8 MIN. (200# PSI INC). CONT TO RIH. TAG FILL @ 8159', (155' FILL). C/O TO 4TH CBP @ 8314'. DRL UP

4TH CBP IN 8 MIN. (600# PSI INC). CONT TO RIH. TAG FILL @ 8794', (60' FILL). C/O TO 5TH CBP @ 8854'. DRL UP 5TH CBP IN 10 MIN. (400# PSI INC). CONT TO RIH. TAG FILL @ 9056', (30' FILL). C/O TO 6TH CBP @ 9086'. DRL UP 6TH CBP IN 11 MIN. (900# PSI INC). CONT TO RIH. TAG FILL @ 9346', (20' FILL). C/O TO 7TH CBP @ 9366'. DRK UP 7TH CBP IN 10 MIN. (500# PSI INC). CONT TO RIH. TAG FILL @ 9585', (45' FILL). C/O TO PBTD @ 9630'. CIRC WELL CLEAN FOR 30 MIN. ND DRL EQUIP. POOH L/D 47 JTS ON TRAILER. LUBRICATE TBG HANGER INTO WELL. LAND TBG W/ EOT @ 8501'. NDBOPE. DROP BALL, NU WH. PMP OFF THE BIT SUB @ 2000#. R/U FLOW BACK EQUIP. TURN OVER TO FLOW BACK CREW.

SICP	
FTP	
48/64 CHOKE	
TBG ON LOC	322 JTS
TBG IN WELL	275 JTS
TBG LEFT ON TRAILER	47 JTS

10/12/07 **FLOWBACK REPORT:** CP 1375#, TP 1200#, CK 20/64", 50 BWPH, LOAD REC'D 880 BBLS, LLTR 10752 BBLS

10/13/07 **FLOWBACK REPORT:** CP 1390#, TP 1225#, CK 20/64", 45 BWPH, LOAD REC'D 2011 BBLS, LLTR 9621 BBLS

10/14/07 **FLOWBACK REPORT:** CP 1950#, TP 1200#, CK 20/64", 45 BWPH, LOAD REC'D 3091 BBLS, LLTR 8541 BBLS

10/15/07 **FLOWBACK REPORT:** CP 2500#, TP 1300#, CK 20/64", 34 BWPH, LOAD REC'D 3947 BBLS, LLTR 7685 BBLS
WELL WENT ON SALES: @ 08:45 AM, 1100 MCF, 1170 TBG, 2500 CSG, 20/64 CK, 35 BBWH

10/16/07 **ON SALES:** 638 MCF, 0 BC, 390 BW, TP: 1214#, CP: 2254#, 12/64 CHK, 15 HRS, LP: 166#.

10/17/07 **ON SALES:** 915 MCF, 0 BC, 672 BW, TP: 1064#, CP: 1984#, 20/64 CHK, 24 HRS, LP: 452#.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22792

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: NBU 1021-19C

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304739004

3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10 FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 620'FNL, 1904'FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 19 10S 21E

12. COUNTY: UINTAH

13. STATE: UTAH

14. DATE SPUDDED: 6/21/2007

15. DATE T.D. REACHED: 8/17/2007

16. DATE COMPLETED: 10/15/2007 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 5215'GL

18. TOTAL DEPTH: MD 9,650 TVD

19. PLUG BACK T.D.: MD 9,630 TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL-CCL-GR, SD/DSN/AIComp TRUE RES

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 H-40	32.3#		2,060		630			
7 7/8"	4 1/2 I-80	11.6#		9,650		1603			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,501							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) MESAVERDE	7,525	9,601		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
7,525 9,601	0.34	177	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7525'-9601'	PMP 11,632# BBLS SLICK H2O & 442,075# 30/50 SD

RECEIVED
NOV 20 2007
DIV. OF OIL, GAS & MINING

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION — **INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
10/15/2007	10/18/2007	24		0	1,199	672	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
20/64	968	1,786					0	1,199	672	PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

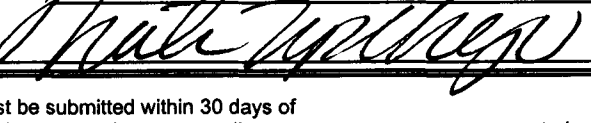
34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH	4,475	7,512			
MESAVERDE	7,512				

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE  DATE 11/14/2007

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:	ML-22792
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	UNIT #891008900A
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER	8. WELL NAME and NUMBER: NBU 1021-19C
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP	9. API NUMBER: 4304739004
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078	PHONE NUMBER: (435) 781-7024
	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 620'FNL, 1904'FWL — COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 19 10S 21E — STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
_____	☐ CONVERT WELL TYPE	☑ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION TO PERFORM A RECOMPLETION ON THE SUBJECT WELL LOCATION. THE OPERATOR WILL COMPLETE THE WASATCH FORMATION.

PLEASE REFER TO THE ATTACHED WASATCH RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR
Date: 6.10.2008
Initials: KS

RECEIVED
MAY 19 2008
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO — TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE [signature] — DATE 5/14/2008

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 6/2/08
BY: [signature]

(5/2000) (See Instructions on Reverse Side)

Name: NBU 1021-19C
Location: NE NW Sec 19 T10S R21E
Uintah County, UT
Date: 05/09/2008

ELEVATIONS: 5214 GL 5232 KB

TOTAL DEPTH: 9651 **PBTD:** 9540
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2029'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9636'
Marker Joint **4341-4352'**

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS:

1205' Green River
1813' Mahogany
4475' Wasatch
7473' Mesaverde

GENERAL:

- A minimum of **12** tanks (cleaned lined 500 bbl) of **FRESH** water will be required. Note: Use biocide in tanks and the water needs to be at least 65-75°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 08/18/2007
- **11** fracturing stages required for coverage.
- Procedure calls for 11 CBP's (**8000** psi) and 1 CIBP.
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and ½ the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 20/40 mesh Ottawa sand, **Gel frac**.
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). DO NOT OVERDISPLACE. Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.

- Pump **resin coated sand** last 5,000# of all frac stages
- This well was original completed in October of 2007.

Existing Perfs :

Formation	Top	Bottom	SPF	Holes
MV	7525	7526	3	3
MV	7549	7550	3	3
MV	7563	7564	3	3
MV	7579	7580	3	3
MV	7590	7591	3	3
MV	7691	7692	3	3
MV	7703	7704	3	3
MV	8025	8026	3	3
MV	8038	8039	3	3
MV	8059	8060	3	3
MV	8065	8066	3	3
MV	8128	8129	3	3
MV	8209	8210	3	3
MV	8245	8246	3	3
MV	8253	8254	3	3
MV	8266	8267	3	3
MV	8283	8284	3	3
MV	8687	8688	3	3
MV	8694	8695	3	3
MV	8710	8711	3	3
MV	8725	8726	3	3
MV	8730	8731	3	3
MV	8775	8776	3	3
MV	8833	8834	3	3
MV	8841	8842	3	3

Formation	Top	Bottom	SPF	Holes
MV	8872	8873	3	3
MV	8881	8882	3	3
MV	8930	8931	3	3
MV	8965	8966	3	3
MV	9008	9009	3	3
MV	9025	9026	3	3
MV	9062	9063	3	3
MV	9386	9387	3	3
MV	9396	9397	3	3
MV	9431	9432	3	3
MV	9476	9477	3	3
MV	9499	9500	3	3
MV	9534	9535	3	3
MV	9542	9543	3	3
MV	9600	9601	3	3

PROCEDURE:

1. MIRU. Control well with 2% KCL water and biocide as required. ND WH, NU BOP's and test.

2. TOOH with 2-3/8", 4.7#, J-55 tubing, currently landed at ~8501'. Visually inspect for scale and consider replacing if needed.

3. If tbg looks OK, run a gauge ring to 7350. Otherwise P/U a mill and C/O to 7350. TOOH and laydown 2 3/8" tbg.

4. PU CBP and RIH w/ wireline. Set 8000 psi CIBP at ~7330.

5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	7155	7156	4	4
WASATCH	7178	7179	4	4
WASATCH	7186	7188	4	8
WASATCH	7195	7197	4	8
WASATCH	7216	7218	4	8
WASATCH	7252	7254	4	8
WASATCH	7298	7299	4	4

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7131' and trickle 250gal 15%HCL w/ scale inhibitor in flush .

7. Set 8000 psi CBP at ~7131'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6932	6933	4	4
WASATCH	6963	6964	4	4
WASATCH	6976	6977	4	4
WASATCH	6993	6994	4	4
WASATCH	7006	7007	4	4
WASATCH	7014	7016	4	8
WASATCH	7025	7026	4	4
WASATCH	7048	7049	4	4
WASATCH	7060	7061	4	4
WASATCH	7085	7086	4	4
WASATCH	7100	7101	4	4

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~6882' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

9. Set 8000 psi CBP at ~6858'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6675	6677	4	8
WASATCH	6716	6717	4	4
WASATCH	6733	6734	4	4
WASATCH	6746	6747	4	4
WASATCH	6752	6753	4	4
WASATCH	6791	6792	4	4
WASATCH	6800	6801	4	4
WASATCH	6816	6818	4	8
WASATCH	6826	6828	4	8

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6633' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~6633'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6503	6504	4	4
WASATCH	6516	6517	4	4
WASATCH	6525	6526	4	4
WASATCH	6540	6542	4	8
WASATCH	6562	6564	4	8
WASATCH	6580	6581	4	4
WASATCH	6586	6588	4	8
WASATCH	6602	6603	4	4

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~6476' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~6476'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6312	6314	4	8
WASATCH	6340	6344	4	16
WASATCH	6360	6362	4	8
WASATCH	6394	6396	4	8
WASATCH	6444	6446	4	8

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~6262' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

15. Set 8000 psi CBP at ~6092'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5970	5972	4	8
WASATCH	5977	5978	4	4
WASATCH	5982	5984	4	8
WASATCH	5994	5995	4	4
WASATCH	6056	6058	4	8
WASATCH	6061	6062	4	4

16. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~5920' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

17. Set 8000 psi CBP at ~5744'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5614	5616	4	8
WASATCH	5618	5619	4	4
WASATCH	5631	5633	4	8
WASATCH	5645	5646	4	4
WASATCH	5658	5660	4	8
WASATCH	5699	5701	4	8
WASATCH	5712	5714	4	8

18. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 7 on attached listing. Under-displace to ~5564' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

19. Set 8000 psi CBP at ~5518'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5352	5353	4	4
WASATCH	5408	5410	4	8
WASATCH	5422	5423	4	4
WASATCH	5446	5447	4	4
WASATCH	5479	5480	4	4
WASATCH	5486	5488	4	8

20. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 8 on attached listing. Under-displace to ~5302' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

21. Set 8000 psi CBP at ~5260'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5148	5149	4	4
WASATCH	5153	5154	4	4
WASATCH	5159	5160	4	4
WASATCH	5182	5184	4	8
WASATCH	5194	5196	4	8
WASATCH	5217	5219	4	8
WASATCH	5228	5230	4	8

22. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 9 on attached listing. Under-displace to ~5110' and trickle 250gal 15%HCL w/ scale inhibitor in flush
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23. Set 8000 psi CBP at~5110'. . Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5038	5040	4	8
WASATCH	5042	5044	4	8
WASATCH	5050	5052	4	8
WASATCH	5056	5058	4	8
WASATCH	5065	5066	4	4
WASATCH	5079	5080	4	4

24. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 10 on attached listing. Under-displace to ~4988' and trickle 250gal 15%HCL w/ scale inhibitor in flush
.

25. Set 8000 psi CBP at~4854'. . Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	4754	4756	4	8
WASATCH	4780	4781	4	4
WASATCH	4788	4790	4	8
WASATCH	4798	4800	4	8
WASATCH	4816	4818	4	8
WASATCH	4822	4824	4	8

26. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 11 on attached listing. Under-displace to ~4704' and flush only with recycled water.

27. Set 8000 psi CBP at~4704'.

28. Because of the CIBP we don't want to drop POBS. TIH with 3 7/8" bit, pump off sub, SN and 2 3/8" tubing.

29. Drill plugs, but **do not drill plug at 7330'** and clean out to 7330'. If you can control the well TOOH with 3 7/8" bit, pump off sub, SN and 2 3/8" tubing. Remove 3 7/8" bit and pump off bit sub and TIH with 2 3/8" tubing and SN. Land tubing at ±**4650**' unless indicated otherwise by the well's behavior. Tubing is being landed high for production log run.

30. RDMO

For design questions, please call
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(406)-490-2742 (Cell)
(720)-929-6194 (Office)

For field implementation questions, please call
Robert Miller, Vernal, UT
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NOTES:

Fracturing Schedules
NBU 1021-19C
Gel Frac

4301.2962
102.411814

Stage	Zone	Feet of Pay	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	WASATCH	1	7156	7156	4	4	Varied	Pump-in test			Freshwater		0	0	0						
	WASATCH	1	7178	7179	4	4	0	ISIP and 5 min ISIP													69
	WASATCH	2	7186	7188	4	8	30	25#			Freshwater	1,920	1,920	46	46	16.0%	0.0%	0	0		6
	WASATCH	11	7196	7197	4	8	30	25# X-link	1	1	Freshwater	840	840	20	66	7.0%	1.6%	840	840		3
	WASATCH	1	7216	7218	4	8	30	25# Xlink	2	2	Freshwater	840	840	20	86	7.0%	3.3%	1,680	2,520		3
	WASATCH	1	7252	7254	4	8	30	25# X-link	3	3	Freshwater	1,680	1,680	40	126	14.0%	9.8%	5,040	7,560		5
	WASATCH	1	7298	7299	4	4	30	25# Xlink	4	4	Freshwater	1,680	1,680	40	166	14.0%	13.1%	5,720	14,280		0
	WASATCH	0					30	25# X-link	6	6	Freshwater	1,680	3,600	40	206	14.0%	19.7%	10,080	24,360		0
	WASATCH	0					30	25# Xlink	8	8	Freshwater	3,360	12,000	80	286	28.0%	52.5%	26,880	51,240		0
	WASATCH	0					30	Flush (4-1/2")				6,963	18,963	166	451				51,240		69
	WASATCH	0						ISDP and 5 min ISDP													155
	WASATCH	0											18,963			100.0%					
																	gal/ft	750	3,203	lbs sand/ft	
		16	# of Perfs/stage		44									Flush depth	7131		CBP depth	7,131		0	LOOK
							LOOK	<< Above pump time (min)													
2	WASATCH	1	6932	6933	4	4	Varied	Pump-in test			Freshwater		0	0	0						
	WASATCH	1	6963	6964	4	4	0	ISIP and 5 min ISIP													
	WASATCH	1	6976	6977	4	4	30	25#			Freshwater	1,952	1,952	46	46	16.0%	0.0%	0	0		6
	WASATCH	1	6993	6994	4	4	30	25# X-link	1	1	Freshwater	854	854	20	67	7.0%	1.6%	854	854		3
	WASATCH	1	7006	7007	4	4	30	25# Xlink	2	2	Freshwater	854	854	20	87	7.0%	3.3%	1,708	2,562		3
	WASATCH	1	7014	7016	4	8	30	25# X-link	3	3	Freshwater	1,708	1,708	41	128	14.0%	9.8%	5,124	7,686		5
	WASATCH	0	7025	7026	4	4	30	25# Xlink	4	4	Freshwater	1,708	1,708	41	168	14.0%	13.1%	6,832	14,518		0
	WASATCH	0	7048	7049	4	4	30	25# X-link	6	6	Freshwater	1,708	3,660	41	209	14.0%	19.7%	10,248	24,766		0
	WASATCH	0	7060	7061	4	4	30	25# Xlink	8	8	Freshwater	3,416	12,200	81	290	28.0%	52.5%	27,328	52,094		0
	WASATCH	0	7085	7086	4	4	30	Flush (4-1/2")				6,720	18,920	160	450				52,094		67
	WASATCH	0	7100	7101	4	4		ISDP and 5 min ISDP													83
	WASATCH	0											18,920			100.0%					
																	gal/ft	3,050	13,024	lbs sand/ft	
		4	# of Perfs/stage		48									Flush depth	6882		CBP depth	6,858		24	LOOK
							LOOK	<< Above pump time (min)													
3	WASATCH	1	6675	6677	4	8	Varied	Pump-in test			Freshwater		0	0	0						
	WASATCH	1	6716	6717	4	4	0	ISIP and 5 min ISIP													
	WASATCH	1	6733	6734	4	4	30	25#			Freshwater	1,992	1,992	47	47	16.0%	0.0%	0	0		6
	WASATCH	1	6746	6747	4	4	30	25# X-link	1	1	Freshwater	872	872	21	68	7.0%	1.6%	872	872		3
	WASATCH	1	6752	6753	4	4	30	25# Xlink	2	2	Freshwater	872	872	21	89	7.0%	3.3%	1,743	2,615		3
	WASATCH	0	6791	6792	4	4	30	25# X-link	3	3	Freshwater	1,743	1,743	42	130	14.0%	9.8%	5,229	7,844		5
	WASATCH	0	6800	6801	4	4	30	25# Xlink	4	4	Freshwater	1,743	1,743	42	172	14.0%	13.1%	6,972	14,816		0
	WASATCH	0	6816	6818	4	8	30	25# X-link	6	6	Freshwater	1,743	3,735	42	213	14.0%	19.7%	10,458	25,274		0
	WASATCH	0	6826	6828	4	8	30	25# Xlink	8	8	Freshwater	3,486	12,450	83	296	28.0%	52.5%	27,888	53,162		0
	WASATCH	0					30	Flush (4-1/2")				6,476	18,926	154	451				53,162		65
	WASATCH	0						ISDP and 5 min ISDP													81
	WASATCH	0											18,926			100.0%					
																	gal/ft	4,150	17,721	lbs sand/ft	
		3	# of Perfs/stage		48									Flush depth	6633		CBP depth	6,633		0	LOOK
							LOOK	<< Above pump time (min)													
4	WASATCH	1	6503	6504	4	4	Varied	Pump-in test			Freshwater		0	0	0						
	WASATCH	1	6516	6517	4	4	0	ISIP and 5 min ISIP													
	WASATCH	10	6525	6526	4	4	30	25#			Freshwater	2,016	2,016	48	48	16.0%	0.0%	0	0		6
	WASATCH	1	6540	6542	4	8	30	25# X-link	1	1	Freshwater	882	882	21	69	7.0%	1.6%	882	882		3
	WASATCH	0	6562	6564	4	8	30	25# Xlink	2	2	Freshwater	882	882	21	90	7.0%	3.3%	1,764	2,646		3
	WASATCH	0	6580	6581	4	4	30	25# X-link	3	3	Freshwater	1,764	1,764	42	132	14.0%	9.8%	5,292	7,938		5
	WASATCH	0	6586	6588	4	8	30	25# Xlink	4	4	Freshwater	1,764	1,764	42	174	14.0%	13.1%	7,056	14,994		0
	WASATCH	0	6602	6603	4	4	30	25# X-link	6	6	Freshwater	1,764	3,780	42	216	14.0%	19.7%	10,584	25,578		0
	WASATCH	0					30	25# Xlink	8	8	Freshwater	3,528	12,600	84	300	28.0%	52.5%	28,224	53,802		0
	WASATCH	0					30	Flush (4-1/2")				6,323	18,923	151	451				53,802		63
	WASATCH	0						ISDP and 5 min ISDP													80
	WASATCH	0											18,923			100.0%					
																	gal/ft	1,050	4,484	lbs sand/ft	
		12	# of Perfs/stage		44									Flush depth	6476		CBP depth	6,476		0	LOOK
							FALSE	<< Above pump time (min)													
5	WASATCH	1	6312	6314	4	8	Varied	Pump-in test			Freshwater		0	0	0						
	WASATCH	8	6340	6344	4	16	0	ISIP and 5 min ISIP													
	WASATCH	1	6360	6362	4	8	30	25#			Freshwater	2,047	2,047	49	49	16.0%	0.0%	0	0		6
	WASATCH	1	6394	6396	4	8	30	25# X-link	1	1	Freshwater	895	895	21	70	7.0%	1.6%	895	895		3
	WASATCH	11	6444	6446	4	8	30	25# Xlink	2	2	Freshwater	895	895	21	91	7.0%	3.3%	1,791	2,686		3
	WASATCH	2	No Perfs				30	25# X-link	3	3	Freshwater	1,791	1,791	43	134	14.0%	9.8%	5,373	8,059		5
	WASATCH	0					30	25# Xlink	4	4	Freshwater	1,791	1,791	43	177	14.0%	13.1%	7,164	15,223		0
	WASATCH	0					30	25# X-link	6	6	Freshwater	1,791	3,838	43	219	14.0%	19.7%	10,746	25,969		0
	WASATCH	0					30	25# Xlink	8	8	Freshwater	3,582	12,793	85	305	28.0%	52.5%	28,655	54,624		0
	WASATCH	0					30	Flush (4-1/2")				6,114	18,907	146	450				54,624		60
	WASATCH	0						ISDP and 5 min ISDP													77
	WASATCH	0											18,907			100.0%					
																	gal/ft	595	2,541	lbs sand/ft	
		22	# of Perfs/stage		48									Flush depth	6262		CBP depth	6,092		178	
							LOOK	<< Above pump time (min)													
6	WASATCH	33	5970	5972	4	8	Varied	Pump-in test			Freshwater		0	0	0						
	WASATCH	5	5977	5978	4	4	0	ISIP and 5 min ISIP													
	WASATCH	14	5982	5984	4	8	30	25#			Freshwater	2,097	2,097	50	50	16.0%	0.0%	0	0		6
	WASATCH	0	5994	5995	4	4	30	25# X-link	1	1	Freshwater	917	917	22	72	7.0%	1.6%	917	917		3
	WASATCH	0	6056	6058	4	8	30	25# Xlink	2	2	Freshwater	917	917	22	94	7.0%	3.3%	1,835	2,752		3
	WASATCH	0	6061	6062	4	4	30	25# X-link	3	3	Freshwater	1,835	1,835	44	137	14.0%	9.8%	5,505	8,257		6
	WASATCH	0					30	25# Xlink	4	4	Freshwater	1,835	1,835	44	181	14.0%	13.1%	7,340	15,597		0
	WASATCH	0					30	25# X-link	6	6	Freshwater	1,835	3,932	44	225	14.0%	19.7%	11,010	26,607		0
	WASATCH	0					30	25# Xlink	8	8	Freshwater	3,670	13,107	87	312	28.0%	52.5%	29,360	55,967		0
	WASATCH	0					30	Flush (4-1/2")				5,780	18,887	138	450				55,967		56
	WASATCH	0						ISDP and 5 min ISDP													74
	WASATCH	0											18,887			100.0%					
																	gal/ft	257	1,097	lbs sand/ft	
		51	# of Perfs/stage		36									Flush depth	5920		CBP depth	5,744		176	
							LOOK														

						LOOK																			
7	WASATCH	1	5614	5616	4	8	Varied	Pump-in test			Freshwater		0	0	0										
	WASATCH	2	5618	5619	4	4	0	ISIP and 5 min ISIP																	
	WASATCH	3	5631	5633	4	8	30	25#			Freshwater	2,154	2,154	51	51	16.0%	0.0%	0	0		6
	WASATCH	1	5645	5646	4	4	30	25# X-link	1	1	Freshwater	942	942	22	74	7.0%	1.6%	942	942		3
	WASATCH	1	5658	5660	4	8	30	25# Xlink	2	2	Freshwater	942	942	22	96	7.0%	3.3%	1,885	2,827		3
	WASATCH	1	5699	5701	4	8	30	25# X-link	3	3	Freshwater	1,885	1,885	45	141	14.0%	9.8%	5,654	8,481		6
	WASATCH	1	5712	5714	4	8	30	25# Xlink	4	4	Freshwater	1,885	1,885	45	186	14.0%	13.1%	7,538	16,019		0
	WASATCH	1		No Perfs			30	25# X-link	6	6	Freshwater	1,885	4,038	45	231	14.0%	19.7%	11,308	27,327		0
	WASATCH	1		No Perfs			30	25# Xlink	8	8	Freshwater	3,769	13,462	90	321	28.0%	52.5%	30,154	57,481		0
	WASATCH	0		No Perfs			30	Flush (4-1/2")				5,433	18,894	129	450				57,481		54
	WASATCH	0						ISDP and 5 min ISDP													72
	WASATCH	0											18,894			100.0%					
																	gal/ft	1,417	6,051	lbs sand/ft	
		10	# of Perfs/stage		48									Flush depth	5564		CBP depth	5,518		46	
						FALSE															
8	WASATCH	1	5352	5353	4	4	Varied	Pump-in test			Freshwater		0	0	0						
	WASATCH	7	5408	5410	4	8	0	ISIP and 5 min ISIP													
	WASATCH	1	5422	5423	4	4	30	25#			Freshwater	2,196	2,196	52	52	16.0%	0.0%	0	0		7
	WASATCH	1	5446	5447	4	4	30	25# X-link	1	1	Freshwater	961	961	23	75	7.0%	1.6%	961	961		3
	WASATCH	2	5479	5480	4	4	30	25# Xlink	2	2	Freshwater	961	961	23	98	7.0%	3.3%	1,922	2,882		3
	WASATCH	1	5486	5488	4	8	30	25# X-link	3	3	Freshwater	1,922	1,922	46	144	14.0%	9.8%	5,765	8,647		6
	WASATCH	1		No Perfs			30	25# Xlink	4	4	Freshwater	1,922	1,922	46	190	14.0%	13.1%	7,686	16,333		0
	WASATCH	1		No Perfs			30	25# X-link	6	6	Freshwater	1,922	4,118	46	235	14.0%	19.7%	11,529	27,862		0
	WASATCH	2		No Perfs			30	25# Xlink	8	8	Freshwater	3,843	13,725	92	327	28.0%	52.5%	30,744	58,606		0
	WASATCH	1		No Perfs			30	Flush (4-1/2")				5,177	18,902	123	450				58,606		51
	WASATCH	0						ISDP and 5 min ISDP													69
	WASATCH	0											18,902			100.0%					
																	gal/ft	915	576	lbs sand/ft	
		15	# of Perfs/stage		32									Flush depth	5302		CBP depth	5,260		42	
						FALSE															
9	WASATCH	6	5148	5149	4	4	Varied	Pump-in test			Freshwater		0	0	0						
	WASATCH	23	5153	5154	4	4	0	ISIP and 5 min ISIP													
	WASATCH	12	5159	5160	4	4	30	25#			Freshwater	2,230	2,230	53	53	16.0%	0.0%	0	0		7
	WASATCH	6	5182	5184	4	8	30	25# X-link	1	1	Freshwater	976	976	23	76	7.0%	1.6%	976	976		3
	WASATCH	1	5194	5196	4	8	30	25# Xlink	2	2	Freshwater	976	976	23	100	7.0%	3.3%	1,951	2,927		3
	WASATCH	3	5217	5219	4	8	30	25# X-link	3	3	Freshwater	1,951	1,951	46	146	14.0%	9.8%	5,853	8,780		6
	WASATCH	2	5228	5230	4	8	30	25# Xlink	4	4	Freshwater	1,951	1,951	46	192	14.0%	13.1%	7,804	16,584		0
	WASATCH	17		No Perfs			30	25# X-link	6	6	Freshwater	1,951	4,181	46	239	14.0%	19.7%	11,706	28,290		0
	WASATCH	0					30	25# Xlink	8	8	Freshwater	3,902	13,936	93	332	28.0%	52.5%	31,217	59,507		0
	WASATCH	0					30	Flush (4-1/2")				4,989	18,925	119	451				59,507		50
	WASATCH	0						ISDP and 5 min ISDP													68
	WASATCH	0											18,925			100.0%					
																	gal/ft	208	131	lbs sand/ft	
		67	# of Perfs/stage		44									Flush depth	5110		CBP depth	5,110		0	LOOK
						FALSE															
10	WASATCH	18	5038	5040	4	8	Varied	Pump-in test			Freshwater		0	0	0						
	WASATCH	0	5042	5044	4	8	0	ISIP and 5 min ISIP													
	WASATCH	0	5050	5052	4	8	30	25#			Freshwater	2,240	2,240	53	53	16.0%	0.0%	0	0		7
	WASATCH	0	5056	5058	4	8	30	25# X-link	1	1	Freshwater	980	980	23	77	7.0%	1.6%	980	980		3
	WASATCH	0	5065	5066	4	4	30	25# Xlink	2	2	Freshwater	980	980	23	100	7.0%	3.3%	1,960	2,940		3
	WASATCH	0	5079	5080	4	4	30	25# X-link	3	3	Freshwater	1,960	1,960	47	147	14.0%	9.8%	5,880	8,820		6
	WASATCH	0					30	25# Xlink	4	4	Freshwater	1,960	1,960	47	193	14.0%	13.1%	7,840	16,660		0
	WASATCH	0					30	25# X-link	6	6	Freshwater	1,960	4,200	47	240	14.0%	19.7%	11,760	28,420		0
	WASATCH	0					30	25# Xlink	8	8	Freshwater	3,920	14,000	93	333	28.0%	52.5%	31,360	59,780		0
	WASATCH	0					30	Flush (4-1/2")				4,870	18,870	116	449				59,780		48
	WASATCH	0						ISDP and 5 min ISDP													66
	WASATCH	0											18,870			100.0%					
																	gal/ft	800	504	lbs sand/ft	
		18	# of Perfs/stage		40									Flush depth	4988		CBP depth	4,854		134	
						FALSE															
11	WASATCH	14	4754	4756	4	8	Varied	Pump-in test			Freshwater		0	0	0						
	WASATCH	1	4780	4781	4	4	0	ISIP and 5 min ISIP													
	WASATCH	11	4788	4790	4	8	30	25#			Freshwater	2,293	2,293	55	55	16.0%	0.0%	0	0		7
	WASATCH	6	4798	4800	4	8	30	25# X-link	1	1	Freshwater	1,003	1,003	24	78	7.0%	1.6%	1,003	1,003		3
	WASATCH	0	4816	4818	4	8	30	25# Xlink	2	2	Freshwater	1,003	1,003	24	102	7.0%	3.3%	2,007	3,010		3
	WASATCH	28	4822	4824	4	8	30	25# X-link	3	3	Freshwater	2,007	2,007	48	150	14.0%	9.8%	6,020	9,029		6
	WASATCH	0					30	25# Xlink	4	4	Freshwater	2,007	2,007	48	198	14.0%	13.1%	8,026	17,056		0
	WASATCH	0					30	25# X-link	6	6	Freshwater	2,007	4,300	48	246	14.0%	19.7%	12,039	29,095		0
	WASATCH	0					30	25# Xlink	8	8	Freshwater	4,013	14,333	96	341	28.0%	52.5%	32,105	61,200		0
	WASATCH	0					30	Flush (4-1/2")				4,593	18,925	109	451				61,200		15
	WASATCH	0						ISDP and 5 min ISDP													34
	WASATCH	0											18,925			100.0%					
																	gal/ft	245	154	lbs sand/ft	
		59	# of Perfs/stage		44									Flush depth	4704		CBP depth	4,704		0	LOOK
						FALSE															
	Totals	275			476						Total Fluid		207,994	gals		4,952	bbls	Total Sand		617,461	LOOK
													4,952	bbls							
						#####										11.0	tanks			Total Scale Inhib. =		858

NBU 1021-19C
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	WASATCH	7155	7156	4	4		7156.5	to	7157.5
	WASATCH	7178	7179	4	4		7172	to	7172.5
	WASATCH	7186	7188	4	8		7182.5	to	7184.5
	WASATCH	7195	7197	4	8		7192.5	to	7203
	WASATCH	7216	7218	4	8		7220	to	7221
	WASATCH	7252	7254	4	8		7277.5	to	7278
	WASATCH	7298	7299	4	4		7297	to	7297.5
	# of Perfs/stage				44		CBP DEPTH	7,131	
2	WASATCH	6932	6933	4	4		6907	to	6907.5
	WASATCH	6963	6964	4	4		6960.5	to	6961.5
	WASATCH	6976	6977	4	4		6992.5	to	6993
	WASATCH	6993	6994	4	4		7043	to	7044
	WASATCH	7006	7007	4	4		7053	to	7053.5
	WASATCH	7014	7016	4	8		7084.5	to	7085
	WASATCH	7025	7026	4	4				
	WASATCH	7048	7049	4	4				
	WASATCH	7060	7061	4	4				
	WASATCH	7085	7086	4	4				
	WASATCH	7100	7101	4	4				
	# of Perfs/stage				48		CBP DEPTH	6,858	
3	WASATCH	6675	6677	4	8		6691.5	to	6692
	WASATCH	6716	6717	4	4		6757	to	6758
	WASATCH	6733	6734	4	4		6771	to	6771.5
	WASATCH	6746	6747	4	4		6813.5	to	6814
	WASATCH	6752	6753	4	4		6883.5	to	6884
	WASATCH	6791	6792	4	4				
	WASATCH	6800	6801	4	4				
	WASATCH	6816	6818	4	8				
	WASATCH	6826	6828	4	8				
	# of Perfs/stage				48		CBP DEPTH	6,633	
4	WASATCH	6503	6504	4	4		6530	to	6530.5
	WASATCH	6516	6517	4	4		6551.5	to	6552
	WASATCH	6525	6526	4	4		6589	to	6590
	WASATCH	6540	6542	4	8		6594	to	6595
	WASATCH	6562	6564	4	8				
	WASATCH	6580	6581	4	4				
	WASATCH	6586	6588	4	8				
	WASATCH	6602	6603	4	4				
	# of Perfs/stage				44		CBP DEPTH	6,476	
5	WASATCH	6312	6314	4	8		6321	to	6321.5
	WASATCH	6340	6344	4	16		6337.5	to	6345
	WASATCH	6360	6362	4	8		6356.5	to	6357
	WASATCH	6394	6396	4	8		6359.5	to	6360
	WASATCH	6444	6446	4	8		6387	to	6396
	WASATCH		No Perfs				6436.5	to	6438
	# of Perfs/stage				48		CBP DEPTH	6,092	
6	WASATCH	5970	5972	4	8		5958	to	5990.5
	WASATCH	5977	5978	4	4		5993	to	5997.5
	WASATCH	5982	5984	4	8		6053.5	to	6067.5
	WASATCH	5994	5995	4	4				
	WASATCH	6056	6058	4	8				
	WASATCH	6061	6062	4	4				
	# of Perfs/stage				36		CBP DEPTH	5,744	
7	WASATCH	5614	5616	4	8		5610	to	5610.5
	WASATCH	5618	5619	4	4		5614	to	5615.5
	WASATCH	5631	5633	4	8		5629.5	to	5632.5
	WASATCH	5645	5646	4	4		5658	to	5658.5
	WASATCH	5658	5660	4	8		5672.5	to	5673
	WASATCH	5699	5701	4	8		5689	to	5690
	WASATCH	5712	5714	4	8		5696	to	5697
	WASATCH		No Perfs				5700.5	to	5701.5
	WASATCH		No Perfs				5704	to	5704.5
	WASATCH		No Perfs				5721.5	to	5721.5
	# of Perfs/stage				48		CBP DEPTH	5,518	
8	WASATCH	5352	5353	4	4		5403.5	to	5404.5
	WASATCH	5408	5410	4	8		5405.5	to	5412
	WASATCH	5422	5423	4	4		5414.5	to	5415
	WASATCH	5446	5447	4	4		5421.5	to	5422.5
	WASATCH	5479	5480	4	4		5445.5	to	5447.5
	WASATCH	5486	5488	4	8		5449	to	5450
	WASATCH		No Perfs				5472.5	to	5473
	WASATCH		No Perfs				5478	to	5478.5
	WASATCH		No Perfs				5486	to	5487.5
	WASATCH		No Perfs				5489	to	5489.5
	# of Perfs/stage				32		CBP DEPTH	5,260	
9	WASATCH	5148	5149	4	4		5136.5	to	5142
	WASATCH	5153	5154	4	4		5143	to	5166
	WASATCH	5159	5160	4	4		5177.5	to	5189
	WASATCH	5182	5184	4	8		5191.5	to	5197
	WASATCH	5194	5196	4	8		5198.5	to	5199
	WASATCH	5217	5219	4	8		5200	to	5202.5
	WASATCH	5228	5230	4	8		5204.5	to	5206
	WASATCH		No Perfs				5209.5	to	5226.5
	# of Perfs/stage				44		CBP DEPTH	5,110	
10	WASATCH	5038	5040	4	8		5038	to	5053.5
	WASATCH	5042	5044	4	8				
	WASATCH	5050	5052	4	8				
	WASATCH	5056	5058	4	8				
	WASATCH	5065	5066	4	4				
	WASATCH	5079	5080	4	4				
	# of Perfs/stage				40		CBP DEPTH	4,854	
11	WASATCH	4754	4756	4	8		4751	to	4765
	WASATCH	4780	4781	4	4		4772	to	4772.5
	WASATCH	4788	4790	4	8		4774.5	to	4785
	WASATCH	4798	4800	4	8		4787	to	4792.5
	WASATCH	4816	4818	4	8		4797.5	to	4797.5
	WASATCH	4822	4824	4	8		4798.5	to	4826.5
	# of Perfs/stage				44		CBP DEPTH	4,704	
	Totals				476				

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22792

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 1021-19C

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304739004

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 620'FNL, 1904'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 19 10S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☑ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR HAS PERFORMED AN RECOMPLETION ON THE SUBJECT WELL LOCATION. THE OPERATOR HAS RECOMPLETED THE WASATCH INTERVALS AS PROPOSED. THE OPERATOR HAS PLACED THE SUBJECT WELL LOCATION BACK ON PRODUCTION ON 07/12/2008 AT 6:00 PM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL HISTORY.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 7/14/2008

(This space for State use only)

RECEIVED
JUL 17 2008
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

WINS No.: 94744	NBU 1021-19C	Start Date: 6/30/2008
AFE No.: 2006515	Operation Summary Report	End Date: 8/11/2008

Operator	FIELD NAME	SPUD DATE	GL	KB	ROUTE
KERR MCGEE OIL & GAS ONSHORE LP	NATURAL BUTTES	8/5/07	5,214	5232	

API	STATE	COUNTY	DIVISION
4304739004	UTAH	UINTAH	ROCKIES

Lat./Long.: Lat./Long.: 39.93875 / -109.59747 **Q-Q/Sect/Town/Range:** NENW / 19 / 10S / 21E **Footages:** 1,903.00' FWL 620.00' FNL

MTD	TVD	LOG MD	PBMD	PBTVD
9650	0		9630	9630

EVENT INFORMATION:
EVENT ACTIVITY: RECOMPLETION
OBJECTIVE: SECONDARY
OBJECTIVE2: RECOMPLETE
REASON: WAS - GEL FRAC
DATE WELL STARTED/RESUMED: /
Event End Status: COMPLETE

RIG OPERATIONS: Begin Mobilization | Rig On Location | Rig Charges | Rig Operation Start | Finish Drilling | Rig Release | Rig Off Location

GWS 1 / 1 — 07/13/2008 — 07/11/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
6/30/2008	SUPERVISOR: JD FOREMAN						MD:
	7:00 - 7:30	0.50	WO/REP	48		P	SAFETY MEETING
	7:30 - 17:00	9.50	WO/REP	31		P	RIG DOWN ROAD RIG TO LOC SPOT IN EQUIP RIG UP W/O WATER KILL WELL W/ 50BBL 2% KCL WATER NIPPLE UP BOP
7/1/2008	SUPERVISOR: JD FOREMAN						MD:
	7:00 - 7:30	0.50	COMP	48		P	SAFETY MEETING
	7:30 - 17:00	9.50	COMP	31		P	POOH W/ 2,3/8 TBG LAY DOWN 43 JTS SCALE UP TBG RIH W/ 37/8 MILL TO 7350' POOH NIPPLE DOWN BOP NIPPLE UP FRAC VALVES SDFN
7/2/2008	SUPERVISOR: JD FOREMAN						MD:
	7:00 - 7:30	0.50	COMP	48		P	SAFETY MEETING
	7:30 - 13:00	5.50	COMP	31		P	MIRU CUTTERS RIH SET 10K CIBP @ 7330' POOH FILL HOLE W/2% KCL WATER TEST CSG & FRAC VALES TO 7500# GOOD TEST RIH 3,3/8 GUNS 23 GM .36 HOLES PERF @ 7155'-56' 4 SFP 7178'-79' 4 SPF 7186'-88' 4 SPF 7195'-97' 4 SPF 7216'-18' 4 SPF 7252'-54' 4 SPF 7298'-99' 4 SPF NO BLOW SWISDFWE
7/3/2008	SUPERVISOR: JD FOREMAN						MD:
	7:00 - 15:00	8.00	COMP	31		P	STANDBY
7/7/2008	SUPERVISOR: JD FOREMAN						MD:

Wins No.: 94744	NBU 1021-19C	API No.: 4304739004
EVENT INFORMATION:	EVENT ACTIVITY: RECOMPLETION	REASON: WAS - GEL FRAC
	OBJECTIVE: SECONDARY	DATE WELL STARTED/RESUMED:
	OBJECTIVE2: RECOMPLETE	Event End Status: COMPLETE

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
GWS 1 / 1		07/13/2008					07/11/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
	7:00 - 9:03	2.05	COMP	36		P	MIRU WEATHERFORD & CUTTERS FRAC STAGE #1 BRK PERF @ 3266# INJ RT 30 BPM INJPSI 3800# ISIP 1891# FG .70 FRAC W/ 4946# 20/40 SAND + 5000# RESIN COATED SAND + 513 BBL GEL FLUID MP 4813# MR 30.4 BPM AP 4176# AR 25.6 BPM ISIP 3864# FG .98 NPI 1973# STAGE #2 RIH SET 8K CBP @7131' PERF W/ 3,3/8 23 GM .36 HOLES GUNS PERF @ 6932'-33' 4 SPF 6963'-64' 4 SPF 6976'-77' 4 SPF 6993'-94' 4 SPF 7006'-07' 4 SPF 7014'-16' 4 SPF 7025'-26' 4 SPF 7058'-49' 4 SPF 7060'-61' 4 SPF 7085'-86'4 SPF 7100'01' 4 SPF BRK PERF @ 6349# INJ RT 30 BPM INJ PSI 4275# FG .95 FRAC W/ 46840# 20/40 SAND + 5000# RESIN COATED + 466 BBL GEL FLUID MP 4454# MR 31.4 BPN AP 3710# AR 29.2 BPM ISIP 3395# FG .93 NPI -153# STAGE #3 RIH SET 8K CBP @6858' PERF @ 6675'-77' 4 SPF 6716'-17' 4 SPF 6733'-34' 4 SPF 6746'-47' 4 SPF 6752'-53' 4 SPF 6791'-92' 4 SPF 6800'-6801' 4 SPF 6816'-18' 4 SPF 6826'-28' 4 SPF BRK @3200# INJ RT 30 BPM INJ PSI 3200# ISIP 2307# FG .78 FRAC W/ 48983# 20'/40 SAND + 5000# RESIN COATED SAND + 442 BBL GEL FLUID MP 3886# MR 29.6 BPM AP 3195# AR 29.3 BPM ISIP 2663# FG .84 NPI 354# STAGE #4RIH SET 8K CBP @ 6633' PERF @ 6503'-04' 4 SPF 6516'-17' 4 SPF 6525'-26' 4 SPF 6540'-42' 4 SPF 6562'-64' 4 SPF 6580'-81' 4 SPF 6586'-88' 4 SPF 6602'-6603' 4 SPF BRK PERF @ 2751# INJRT 30 BPM INJ PSI 3443# ISIP 2323# FG .80 FRAC W/ 49004# 20/40 SAND + 5000# RESIN COATED SAND + 442 BBL GEL FLUID MP 4197# MR 29.7 BPM AP 2883# AR 29.4 BPM ISIP 2812# FG .87 NPI 489# STAGE #5 RIH SET 8K CBP @ 6476' PERF @ 6312'-14' 4 SPF 6340'-44' 4 SPF 6360'-62' 4 SPF 6394'-96' 4 SPF 6444'-46' 4 SPF BRK PERF @ 6329# INJ RT 30 BPM INJ PSI 3000# ISIP 2024# FG .76 FRAC W/ 50386# 20/40 SAND + 5000# RESIN COATED SAND MP 3484# MR 29.9 BPM AP 2532# AR 29.5 BPM ISIP 2200# FG .79 NPI 176# STAGE #6RIH SET 8K CBP @6092' PERF @ 5970'-72' 4 SPF 5977'-78' 4 SPF 5982'-84' 4 SPF 5994'-95' 4 SPF 6056'-58' 4 SPF 6061'-6062' 4 SPF SDFN
7/8/2008	SUPERVISOR: JD FOREMAN						MD:
	7:00 - 7:30	0.50	COMP	48		P	SAFETY MEETING

Wins No.: 94744	NBU 1021-19C	API No.: 4304739004

EVENT INFORMATION:
EVENT ACTIVITY: RECOMPLETION
OBJECTIVE: SECONDARY
OBJECTIVE2: RECOMPLETE
REASON: WAS - GEL FRAC
DATE WELL STARTED/RESUMED:
Event End Status: COMPLETE

RIG OPERATIONS: Begin Mobilization | Rig On Location | Rig Charges | Rig Operation Start | Finish Drilling | Rig Release | Rig Off Location

GWS 1 / 1 — 07/13/2008 — 07/11/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
	7:30 - 18:00	10.50	COMP	36		P	FRAC STAGE #6 BRK PERF @ 3272# INJ RT 30 BPM IJN PSI 2400# ISIP 1227# FG .65 FRAC W/ 51267# 20/40 SAND + 5000# RESIN COATED 25# SAND + 427 BBL GEL FLUID MP 2976# MR 30.5 BPM AP 2237# AR 29.6 BPM ISIP 2976# FG .81 NPI 971# STAGE #7 RIH SET 8K CBP @ 5744' PERF @ 5614'-16' 4 SPF 5618'-19' 4 SPF 5631'-33' 4 SPF 5645'-46' 4 SPF 5658'-60' 4 SPF 5699'-07' 4 SPF 5712'-14' 4 SPF BRK PERF @ 5681# INJ RT 30 BPM INJ PSI 3700# ISIP 2107# FG .81 FRAC W/ 52819# 20/40 SAND + 5000# RESIN COATED SAND + 429 BBL 25# GEL FLUID MP 4722# MR 29.5 BPM AP 3231# AR 29.3 BPM ISIP 2542# FG .89 NPI 435 # STAGE # 8 RIH SET 8K CBP @ 5518' PERF @ 5352'-53' 4 SPF 5408'-10' 4 SPF 5422'-23' 4 SPF 5446'-47' 4 SPF 5479'-80' 4 SPF 5486'-88' 4 SPF BRK PERF @ 5054# IJN RT 30 BPM INJ PSI 4300# ISIP 2219# FG .79 FRAC W/ 53904# 20/40 SAND + 5000# RESIN COATED SAND 434 BBL 25# GEL FLUID MP 5054# MR 31 BPM AP 3073# AR 30.2 BPM ISIP 3035# FG .92 NPI 814# STAGE #9 RIH SET 8K CBP @ 5260' PERF @ 5148'-49' 4 SPF 5153'-54' 4 SPF 5159'-60' 4 SPF 5182'-84' 4 SPF 5194'-96' 4 SPF 5217'-19' 4 SPF 5228'-30' 4 SPF BRK PERF @ 3895# INJ RT 30 BPM IJN PSI 2350# ISIP 1170# FG .67 FRAC W/ 54706# 20/40 SAND + 5000# RESIN COATED SAND + 430 BBL 25# GEL FLUID MP 3201# MR 32.2 BPM AP 1967# AR 30.2 BPM ISIP 1971# FG .82 NPI 801# STAGE #10 RIH SET *K CBP @5110' PERF @ 5038'-40' 4 SPF 5042'-44' 4 SPF 5050'-52' 4 SPF 5056'-58' 4 SPF 5065'-66' 4 SPF 5079'-80' 4 SPF BRK PERF @3742# INJ RT 30 BPM INJ PSI 2450# ISIP 1269# FG .69 FRAC W/ 55475# 20/40 SAND + 5000# RESIN COATED SAND + 448 BBL 25# GEL FLUID MP 2686# MR 31.2 BPM AP 2249# AR 30.3 BPM ISIP 2280# FG .89 NPI 1011# STAGE # 11 RIH SET 8K CBP @4854' PERF @ 4754'-56' 4 SPF 4780'-81' 4 SPF 4788'-90' 4 SPF 4798'-4800' 4 SPF 4816'-18' 4 SPF 4822'-24' 4 SPF BRK PERF @ 6459# INJ RT 30 BPM INJ PSI 2180# ISIP 971# FG .65 FRAC W/ 35904# 20/40 SAND + 5000# RESIN COATED SAND + 379 BBL 25# GEL FLUID MP 4017# MR 30.4 BPM AP 2333# AR 29.9 BPM ISIP 2209# FG .90 NPI 1238# RIH SET 8K CBP @ 4710' RIH DOWN WEATHERFORD & CUTTERS SDFN
7/9/2008	SUPERVISOR: JD FOREMAN						
	7:00 - 7:30	0.50	COMP	48		P	SAFETY MEETING
	7:30 - 18:00	10.50	COMP	31		P	NIPPLE DOWN FRAC VALVES NIPPLE UP BOP RIH W/ MILL-SLIDING SLAVE BIT SUB TAG KILL PLUG RIG UP DRILG EQUIP BRK CIRC DRILL OUT CBP @ 4710' 200# KICK RIH TAG @ 35' SAND ON CBP DRILL SAND & CBP @ 4854' 100# KICK RIH TAG @ 5060' 60' SAND ON CBP DRILL OUT SAND & CBP @ 5110' 100# KICK RIH TAG @ 5190' 70' SAND ON CBP DRILL OUT SAND & CBP @5260' NO KICK CIRC HOLE SAND CAME IN RIH TAG @5425' 95' SAND ON CBP DRILL OUT SAND & CBP @ 5518' NO KICK RIH TAG @5664' 80' SAND ON CBP DRILL OUT SAND & CBP @ 5744' 100# KICK RIH TAG @ 5940' 50; SAND ON CBP DRILL OUTSAND & CBP NO KICK RIH TAG @ 6380' 95' SAND ON CBP NO CIRC CALL OUT AIR FOAM UNIT PULL UP HOLH SDFN
7/10/2008	SUPERVISOR: JD FOREMAN						
	7:00 - 7:30	0.50	COMP	48		P	SAFETY MEETING

Wins No.: 94744	NBU 1021-19C	API No.: 4304739004

EVENT INFORMATION: EVENT ACTIVITY: RECOMPLETION — REASON: WAS - GEL FRAC
OBJECTIVE: SECONDARY — DATE WELL STARTED/RESUMED: .
OBJECTIVE2: RECOMPLETE — Event End Status: COMPLETE

RIG OPERATIONS: Begin Mobilization | Rig On Location | Rig Charges | Rig Operation Start | Finish Drilling | Rig Release | Rig Off Location

GWS 1 / 1 — 07/13/2008 — 07/11/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
	7:30 - 17:00	9.50	COMP	31		P	MIRU FOAM UNIT BRK CIRC W/ AIR FOAM DRILL OUT SAND & CBP @6476" 95' SAND 0N CBP NO KICK RIH TAG @ 6570' 65' SAND ON CBP DRILL OUT SAND & CBP @ 6633' NO KICK RIH TAG @ 6800" 60' SAND ON CBP DRILL OUT SAND & CBP @ 6858' NO KICK RIH TAG @ 7050' 80' SAND ON CBP DRILL OUT SAND & CBP @ 7131' NO KICK RIH TAG @ 7240' 90 SAND ON CIBP @ 7330' CLEAN OUT TO 7330' CIRC CLEAN PULL & LAY DOWN 77 JTS 2,3/8 LAND ON WELL HEAD W/ 149 JTS EOT 4618.68 NIPPLE DOWN BOP NIPPLE UP TREE MIRU CUTTERS RIH CUT TBG OFF @ 4614.74' LEFT IN HOLE 4' 2,3/8 TBG POB-MILL ON TOP ON CIBP @ 7330' TRUN WELL TO FLOWBACK CREW SDFN NOTE CUT OFF 4' TBG POBS -MILL ON TOP OF CIBP TBG DETAIL KB 18.00 HANGER .83 149 JTS 2,3/8 TBG 4596.48 EOT 4814.74
7/11/2008	SUPERVISOR: JD FOREMAN						MD:
	7:00 -			33	A		7 AM FLBK REPORT: CP 350#, TP 0#, OPEN/64" CK, 0 BWPH, - SAND, - GAS TTL BBLS RECOVERED: 1500 BBLS LEFT TO RECOVER: 4000
7/11/2008	SUPERVISOR: JD FOREMAN						MD:
	7:00 - 15:00	8.00	COMP	31		P	RIG DOWN STANDBY
7/12/2008	SUPERVISOR: JD FOREMAN						DWC: $ 4,000.00 CWC: $ 451,849.00 MD:
	7:00 -			33	A		7 AM FLBK REPORT: CP 800#, TP 250#, 20/64" CK, 20 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 2050 BBLS LEFT TO RECOVER: 3450
7/13/2008	SUPERVISOR: JD FOREMAN						MD:
	-						

API Well No: 43047390040000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22792

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-19C

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047390040000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0620 FNL 1904 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 19 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 6/3/2010	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: WORKOVER OPERATI

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PLEASE CONSIDER THIS OPERATION AS QUALIFYING FOR TAX CREDIT UNDER RULE R-649-3-23. SEE ATTACHED CHRONOLOGICAL WELL REPORT FOR OPERATION DETAILS.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

June 15, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 6/10/2010

RECEIVED June 10, 2010

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-19C		Spud Date: 8/5/2007	
Project: UTAH-UINTAH	Site: NBU 1021-19C		Rig Name No: LEED 733/733
Event: WELL WORK EXPENSE	Start Date: 6/2/2010		End Date: 6/3/2010
Active Datum: RKB @5,231.99ft (above Mean Sea Leve	UWI: NBU 1021-19C		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
6/2/2010	6:30 - 6:45	0.25	WO/REP	48		P		JSA- TESTING FOR H2S. POOH W/ TBG.
	6:45 - 16:30	9.75	WO/REP	31	I	P		SITP 200, SICP 200. OPEN TO SALES, THEN TO TANKS. PMP 10 BBLS DOWN TBG. ND WH. NU BOP. RU FLOOR AND TBG EQUIP. UNLAND TBG FROM 8705'. LUB OUT AND LD 4" 10K HANGER. POOH W/ 278-JTS PROD TBG. VERY LITTLE SCALE. FOUND CORROSION ON TBG CPLGS AND PITTING ON OD AND ID FROM 5479' TO EOT. LD SN. MU NOTCHED 1.87" XN AND RIH W/ 82-JTS TBG. PU WFTD 4-1/2" R-3 PKR, CONT RIH 92-JTS TBG. EOT 5480'. RU SANDLINE AND RUN 1.91" BROACH TO EOT. SDFN
6/3/2010	6:30 - 6:45	0.25	WO/REP	48		P		JSA- RIH W/ TBG. SET PKR.
	6:45 - 11:30	4.75	WO/REP	31	I	P		SITP 1050, SICP 1050. OPEN CSG TO FBT. PMP 15 BBLS DOWN TBG. SPOT TBG TRAILER. CONT RIH W/ PROD TBG AS MEAS AND PU 71-JTS 2-3/8" L-80 TBG. PU 4" 10K HANGER. RUN 1.91" BROACH THRU NEW TBG. RD SANDLINE. CONTROL CSG W/ TMAC. SET PKR ELEM AT 5186'.LAND 245-JTS W/ TOP OF PKR AT 5184' AND EOT AT 7758.35'. RD FLOOR. ND BOP. NU WH. SHUT WELL IN AND TURN OVER TO PRODUCTION DEPT. RACK OUT EQUIP. RDSU AND MOVE TO NBU 1022-18F. RUSU. TBG DETAIL KB 18.00 4" 10K HANGER .83 8K COMPRESSION -1.20 163-JTS 2-3/8" L-80 5166.97 (5184.60) WTFD 4-1/2" R-3 PKR 6.92 (2.25' TO PKR ELEM) (5186.85) 82-JTS 2-3/8" L-80 2565.78 NOTCHED 1.87" XN 1.05 EOT 7758.35 79-JTS DELIVERED / 8 JTS RETURNED PMP 90 RCVR 40 / LTR 50

RECEIVED June 10, 2010

API Well No: 43047390040000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22792

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-19C

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047390040000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0620 FNL 1904 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 19 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 8/18/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SPUD REPORT Date of Spud:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ DRILLING REPORT Report Date:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	✓ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION TO WORKOVER THE SUBJECT WELL. PROPOSED ACTIVITIES INCLUDE WATER SHUT OFF. PLEASE SEE ATTACHED WATER SHUT OFF/PERFORATION SQUEEZE PROCEDURE.

Approved by the Utah Division of Oil, Gas and Mining

Date: August 19, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 8/17/2010

NBU 1021-19C **AFE#** **WINS# 94744**

Maintenance Rig May 2010

NE NW Sec 19 T10S R21E

Uintah County, UT

ELEVATIONS: 5214 GL 5232 KB

TOTAL DEPTH: 9651 **PBTD:** 9540

SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2029'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9636'
Marker Joint **4341-4352**'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS:

1205' Green River
1813' Mahogany
4475' Wasatch
7473' Mesaverde

Contacts:

CADY, FRANK	828-8207	OPERATOR
RASMUSSEN, JERRY	828-8229	FOREMAN
JENSEN, STEVE	828-6113	MECH LEAD
BURTON, MAC	781-7001/828-7545	ENGINEER

Relevant History:

- OCT 2007: Completed with 7 SW frac stages in the Mesa Verde. CO to PBTD @ 9630', pumped of POBS, and landed tubing.
- JULY 2008: Re-completed with 10 SW frac stages in the Wasatch. CO to CIBP @ 7330', cut off mill, pobs and 4' of tubing. Landed tubing.
- SEP 2009: POOH. Mill and POBS still on EOT. Landed tubing.
- DEC 2008: DO CIBP @ 7330'. CO to PBTD @ 9630'. Landed tubing @ 8705'.
- JUN 2010: Set packer too high. EOT 7750'. Packer set at 5184'.
- JUL 2010: Set packer at 5280' and EOT @ 7854'.

RECEIVED August 17, 2010

Symptoms:

- High LGR. Water shut-off needed.

Procedure Outline:

- Caution: This well makes H2S.
- MIRU. N/D WH. N/U BOP. Unland tubing and release packer. POOH. Packer at 5280' and EOT @ 7854'.
- RIH w/ gauge ring and junk basket to ~5300'. RIH W/ 4-1/2" CBP set same @ ~5270'. POOH. RIH w/ 4-1/2" CICR on tubing and set same @ ~5008'.
- Sting into CICR and establish injection rate.
- R/U cement company and pump recommended cement job into perforations from 5038'-5230'. PUH w/ stinger.
- Establish injection rate.
- R/U cement company and pump recommended balanced plug cement job into perforations from 4754'-4824'. PU w/ stinger. Reverse circulate tubing until clean. Apply appropriate pressure on balance plug. WOC.
- POOH. RIH w/ 3-7/8" bit. D-O balance plug. Pressure test casing and perforations to 1000 psi for 10 minutes. Resqueeze if necessary.
- TOOH. D-O CBP and C-O to PBTD @ ~9540'.
- Pooh w/ mill and lay down same. RIH W/ production tubing and land same at ~7750'.
- N/D BOP. N/U WH. RDMO.

RECEIVED August 17, 2010

PERFS:

WELL	DATE	TOP PERF	BTM PERF	SPF	STAGE	SQUEEZE INTERVAL
NBU 1021-19C	7/7/2008	4,754	4,756	4	STAGE 11	Second Squeeze Stage 70' of Perforations **Balance Plug**
NBU 1021-19C	7/7/2008	4,780	4,781	4		
NBU 1021-19C	7/7/2008	4,788	4,790	4		
NBU 1021-19C	7/7/2008	4,798	4,800	4		
NBU 1021-19C	7/7/2008	4,816	4,818	4		
NBU 1021-19C	7/7/2008	4,822	4,824	4		
SET CICR			**5,008**			
NBU 1021-19C	7/7/2008	5,038	5,040	4	STAGE 10	First Squeeze Stage 192' of Perforations **Plug and Cement Retainer**
NBU 1021-19C	7/7/2008	5,042	5,044	4		
NBU 1021-19C	7/7/2008	5,050	5,052	4		
NBU 1021-19C	7/7/2008	5,056	5,058	4		
NBU 1021-19C	7/7/2008	5,065	5,066	4		
NBU 1021-19C	7/7/2008	5,079	5,080	4		
NBU 1021-19C	7/7/2008	5,148	5,149	4	STAGE 9	
NBU 1021-19C	7/7/2008	5,153	5,154	4		
NBU 1021-19C	7/7/2008	5,159	5,160	4		
NBU 1021-19C	7/7/2008	5,182	5,184	4		
NBU 1021-19C	7/7/2008	5,194	5,196	4		
NBU 1021-19C	7/7/2008	5,217	5,219	4		
NBU 1021-19C	7/7/2008	5,228	5,230	4		
SET CBP			**5,270**			
NBU 1021-19C	7/7/2008	5,352	5,353	4		
NBU 1021-19C	7/7/2008	5,408	5,410	4		
NBU 1021-19C	7/7/2008	5,422	5,423	4		
NBU 1021-19C	7/7/2008	5,446	5,447	4		
NBU 1021-19C	7/7/2008	5,479	5,480	4		
NBU 1021-19C	7/7/2008	5,486	5,488	4		
NBU 1021-19C	7/7/2008	5,614	5,616	4		
NBU 1021-19C	7/7/2008	5,618	5,619	4		
NBU 1021-19C	7/7/2008	5,631	5,633	4		
NBU 1021-19C	7/7/2008	5,645	5,646	4		
NBU 1021-19C	7/7/2008	5,658	5,660	4		
NBU 1021-19C	7/7/2008	5,699	5,701	4		
NBU 1021-19C	7/7/2008	5,712	5,714	4		
NBU 1021-19C	7/7/2008	5,970	5,972	4		
NBU 1021-19C	7/7/2008	5,977	5,978	4		
NBU 1021-19C	7/7/2008	5,982	5,984	4		
NBU 1021-19C	7/7/2008	5,994	5,995	4		
NBU 1021-19C	7/7/2008	6,056	6,058	4		
NBU 1021-19C	7/7/2008	6,061	6,062	4		
NBU 1021-19C	7/7/2008	6,312	6,314	4		

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NBU 1021-19C	7/7/2008	6,340	6,344	4
NBU 1021-19C	7/7/2008	6,360	6,362	4
NBU 1021-19C	7/7/2008	6,394	6,396	4
NBU 1021-19C	7/7/2008	6,444	6,446	4
NBU 1021-19C	7/7/2008	6,503	6,504	4
NBU 1021-19C	7/7/2008	6,516	6,517	4
NBU 1021-19C	7/7/2008	6,525	6,526	4
NBU 1021-19C	7/7/2008	6,549	6,542	4
NBU 1021-19C	7/7/2008	6,562	6,518	4
NBU 1021-19C	7/7/2008	6,580	6,581	4
NBU 1021-19C	7/7/2008	6,586	6,588	4
NBU 1021-19C	7/7/2008	6,602	6,603	4
NBU 1021-19C	7/7/2008	6,675	6,677	4
NBU 1021-19C	7/7/2008	6,716	6,717	4
NBU 1021-19C	7/7/2008	6,733	6,734	4
NBU 1021-19C	7/7/2008	6,746	6,747	4
NBU 1021-19C	7/7/2008	6,752	6,753	4
NBU 1021-19C	7/7/2008	6,791	6,792	4
NBU 1021-19C	7/7/2008	6,800	6,801	4
NBU 1021-19C	7/7/2008	6,816	6,818	4
NBU 1021-19C	7/7/2008	6,826	6,828	4
NBU 1021-19C	7/7/2008	6,832	6,933	4
NBU 1021-19C	7/7/2008	6,963	6,964	4
NBU 1021-19C	7/7/2008	6,976	6,977	4
NBU 1021-19C	7/7/2008	6,993	6,994	4
NBU 1021-19C	7/7/2008	7,006	7,007	4
NBU 1021-19C	7/7/2008	7,014	7,016	4
NBU 1021-19C	7/7/2008	7,025	7,026	4
NBU 1021-19C	7/7/2008	7,048	7,049	4
NBU 1021-19C	7/7/2008	7,060	7,061	4
NBU 1021-19C	7/7/2008	7,085	7,086	4
NBU 1021-19C	7/7/2008	7,100	7,101	4
NBU 1021-19C	7/7/2008	7,155	7,156	4
NBU 1021-19C	7/7/2008	7,178	7,156	4
NBU 1021-19C	7/7/2008	7,186	7,188	4
NBU 1021-19C	7/7/2008	7,195	7,197	4
NBU 1021-19C	7/7/2008	7,216	7,218	4
NBU 1021-19C	7/7/2008	7,252	7,254	4
NBU 1021-19C	7/7/2008	7,298	7,299	4
EOT			**7,750.00**	
NBU 1021-19C	10/9/2007	7,525.00	7,526.00	3
NBU 1021-19C	10/9/2007	7,549.00	7,550.00	3
NBU 1021-19C	10/9/2007	7,563.00	7,564.00	3
NBU 1021-19C	10/9/2007	7,579.00	7,580.00	3

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NBU 1021-19C	10/9/2007	7,586.00	7,587.00	3
NBU 1021-19C	10/9/2007	7,590.00	7,591.00	3
NBU 1021-19C	10/9/2007	7,642.00	7,643.00	3
NBU 1021-19C	10/9/2007	7,691.00	7,692.00	3
NBU 1021-19C	10/9/2007	7,703.00	7,704.00	3
NBU 1021-19C	10/9/2007	7,745.00	7,746.00	3
NBU 1021-19C	10/9/2007	7,756.00	7,757.00	3
NBU 1021-19C	10/9/2007	7,766.00	7,767.00	3
NBU 1021-19C	10/9/2007	7,796.00	7,797.00	3
NBU 1021-19C	10/9/2007	7,814.00	7,815.00	3
NBU 1021-19C	10/9/2007	7,915.00	7,916.00	3
NBU 1021-19C	10/9/2007	7,932.00	7,933.00	3
NBU 1021-19C	10/9/2007	7,937.00	7,938.00	3
NBU 1021-19C	10/9/2007	8,025.00	8,026.00	3
NBU 1021-19C	10/9/2007	8,038.00	8,039.00	3
NBU 1021-19C	10/9/2007	8,059.00	8,060.00	3
NBU 1021-19C	10/9/2007	8,065.00	8,066.00	3
NBU 1021-19C	10/9/2007	8,128.00	8,129.00	3
NBU 1021-19C	10/9/2007	8,209.00	8,210.00	3
NBU 1021-19C	10/9/2007	8,245.00	8,246.00	3
NBU 1021-19C	10/9/2007	8,253.00	8,254.00	3
NBU 1021-19C	10/9/2007	8,266.00	8,267.00	3
NBU 1021-19C	10/9/2007	8,283.00	8,284.00	3
NBU 1021-19C	10/9/2007	8,694.00	8,695.00	3
NBU 1021-19C	10/9/2007	8,710.00	8,711.00	3
NBU 1021-19C	10/9/2007	8,725.00	8,726.00	3
NBU 1021-19C	10/9/2007	8,730.00	8,731.00	3
NBU 1021-19C	10/9/2007	8,775.00	8,776.00	3
NBU 1021-19C	10/9/2007	8,833.00	8,834.00	3
NBU 1021-19C	10/9/2007	8,841.00	8,842.00	3
NBU 1021-19C	10/9/2007	8,872.00	8,873.00	3
NBU 1021-19C	10/9/2007	8,881.00	8,882.00	3
NBU 1021-19C	10/9/2007	8,887.00	8,888.00	3
NBU 1021-19C	10/9/2007	8,930.00	8,931.00	3
NBU 1021-19C	10/9/2007	8,965.00	8,966.00	3
NBU 1021-19C	10/9/2007	9,008.00	9,009.00	3
NBU 1021-19C	10/9/2007	9,025.00	9,026.00	3
NBU 1021-19C	10/9/2007	9,062.00	9,063.00	3
NBU 1021-19C	10/9/2007	9,118.00	9,119.00	3
NBU 1021-19C	10/9/2007	9,139.00	9,140.00	3
NBU 1021-19C	10/9/2007	9,167.00	9,168.00	3
NBU 1021-19C	10/9/2007	9,178.00	9,179.00	3
NBU 1021-19C	10/9/2007	9,232.00	9,233.00	3
NBU 1021-19C	10/9/2007	9,262.00	9,263.00	3

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NBU 1021-19C	10/9/2007	9,275.00	9,276.00	3
NBU 1021-19C	10/9/2007	9,298.00	9,299.00	3
NBU 1021-19C	10/9/2007	9,335.00	9,336.00	3
NBU 1021-19C	10/8/2007	9,386.00	9,387.00	3
NBU 1021-19C	10/8/2007	9,396.00	9,397.00	3
NBU 1021-19C	10/8/2007	9,431.00	9,432.00	3
NBU 1021-19C	10/8/2007	9,476.00	9,477.00	3
NBU 1021-19C	10/8/2007	9,499.00	9,500.00	3
NBU 1021-19C	10/8/2007	9,534.00	9,535.00	3
NBU 1021-19C	10/8/2007	9,542.00	9,543.00	3
NBU 1021-19C	10/8/2007	9,600.00	9,601.00	3

RECEIVED August 17, 2010

API Well No: 43047390040000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22792

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-19C

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047390040000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0620 FNL 1904 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 19 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 9/3/2010	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	✓ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR HAS CONCLUDED WORKOVER OPERATIONS ON THE SUBJECT WELL. WORKOVER OPERATIONS CONSISTED OF WATER SHUT OFF BY PERFORATION SQUEEZE. PLEASE SEE ATTACHED CHRONOLOGICAL WELL HISTORY.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

September 08, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 9/8/2010

RECEIVED September 08, 2010

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-19C		Spud Date: 8/5/2007	
Project: UTAH-UINTAH	Site: NBU 1021-19C		Rig Name No: DOUBLE HOOK/UNK
Event: WELL WORK EXPENSE	Start Date: 8/25/2010		End Date:
Active Datum: RKB @5,231.99ft (above Mean Sea Leve	UWI: NBU 1021-19C		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
8/25/2010	14:00 - 15:00	1.00	ALL	31		P		ROAD RIG TO LOCATION, F/ STATE 1021-32O
	15:00 - 15:30	0.50	ALL	48		P		HSM, REVIEW JSA # 1
	15:30 - 17:00	1.50	MIRU			P		MIRU, SDFN.
8/26/2010	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW JSA # 17 (SCANNING TBG)
	7:30 - 14:00	6.50	ALL	31	I	P		SICP. 1150 PSI, FTP. 200 PSI. CONTROL TBG W/ 30 BBLS, ND WH, NU BOPS, RU FLOOR EQUIPMENT, UNLAND TBG, PRK WOULD NOT RELEASE, WORKED PKR, FREE, LD 3 JTS. J-55 ON TRAILER, RU SCAN TECH, POOH SCANNING 163 JTS. 2-3/8 L-80 TBG, LD PKR, CONTINUE POOH 82 JTS. LD 6 JTS DUE TO WALL LOSS, RD SCAN TECH, RU CUTTERS, RIH 3-3/4 GAUGE RING & JUNK BASKET TO 5300', GOOD, RIH W/ 4-1/2 CBP & SET @ 5270', RD CUTTERS.
	14:00 - 17:00	3.00	ALL	31	E	P		RIH 4-1/2 CICR & 159 JTS 2-3/8 L-80 TBG, CHANGED OUT 20 TBG COUPLING, SET CICR @ 5014, PRESSUE TBG TO 1000 PSI, W/ 7 BBLS, HELD, STING IN, SWI, SDFN.
8/27/2010	7:00 - 7:30	0.50	ALL	48		P		HSM, TALK ABOUT CEMENT SQUEEZE, NO H2S PRESENT
	7:30 - 15:00	7.50	ALL	51	A	P		SICP. 350 PSI. SITP. 150 PSI. CONTROL TBG W/ 10 BBLS, RU PRO PETRO, PSI TEST LINES TO 20000 PSI, FILL BACKSIDE W/ 20 BBLS, PUMP 30 BBLS INJECTION RATE DWN TBG @ 3 BPM, @ 300 PSI, PUMP 5 BBLS FRESH, MIX & PUMP 150 SKS CLASS G CMT W/ 2% CaCL2, PUMP 31 BBLS OF CMT @ 15,8 PPG, YEILD 1.15, HARD SQUEEZE PRESSURE TO 2000 PSI. STING OUT, LD 2 JTS, EOT@ 4950' ATEMPT REVERSE CIRC 40 BBLS,5 BPM @ 1600 PSI, NO RETURNS, POOH 10 JTS. TBG TO 4428', PUMP CONVENTIONAL CIRC 70 BBLS CMT BACK,CLEAN TBG & CSG, RECOVER 6 BBLS CMT, PUMP 5 BBLS FRESH FOR INJECTION RATE @ 3 BPM @ 300 PSI, MIX & PUMP 30 SKS CLASS NEAT G CMT @ 3 BPM @ 350 PSI, DISPLACEMT W/ FRESH WTR, TOC @ 4244', RD PRO PETRO, POOH 147 JTS. TBG & STINGER, FILL CSG W/ 11 BBLS, PUMP 1 BBL TO 900 PSI. BLEED OFF IN 45 SECOUNDS, PUMP 1 BBL TO 800 PSI. LOST 550 PSI IN 1 MIN, 700 PSI. IN 5 MINS, WAIT 30 MINS & PUMP 1/2 BBL TO 1000 PSI, HELD FOR 1 HR. ESTIMATED TOC @ 4637', LEFT 1000 PSI ON WELL, SDFWE.
8/30/2010	7:00 -							JSA ON PUMP, PICK UP 3 7/8 ROCK BIT & SUB, TIH W/ 146 JTS 2 3/8 L-80 TBG, TAG CMT @4528', PICK UP SWIVEL, R/U PUMP & LINES, BREAK REVERSE CIRCULATION, BEGIN TO DRILL OUT CMT, SWIVEL BROKE DOWN, WAIT ON NEW SWIVEL, R/U NEW SWIVEL, D/O SOLID CMT TO CAST IRON RETAINER@ 5017', CIRC WELL CLEAN, L/D 1 JT TBG, R/D SWIVEL, PT CSG TO 1000# PSI 10 MIN (GOOD TEST), EOT 4985', 160 JTS, SWI, SDFN,
8/31/2010	7:00 - 7:15	0.25	WO/REP	48		P		SFT MTG. JSA #8

RECEIVED September 08, 2010

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-19C		Spud Date: 8/5/2007	
Project: UTAH-UINTAH	Site: NBU 1021-19C		Rig Name No: DOUBLE HOOK/UNK
Event: WELL WORK EXPENSE	Start Date: 8/25/2010		End Date:
Active Datum: RKB @5,231.99ft (above Mean Sea Leve	UWI: NBU 1021-19C		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 17:00	9.75	WO/REP	44	A	P		SICP 0#, SITP 0#, BRK REV CIRC, DRL OUT CICR @ 5017', 1.5 HRS. CIRC WELL CLEAN. RD PWR SWIVEL. POOH W/ 159 JTS 2 3/8" L-80 TBG. L/D BIT & BIT SUB. P/U NEW 3 7/8" SB ROCK BIT, BIT SUB & RIH. TAG CMT @ 5019', R/U PWR SWIVEL. BRK REV CIRC & BEG TO DRL. C/O CMT TO 5175', CIRC WELL CLEAN. L/D 2 JTS TBG. SWI. SDFN EOT @ 5112'
9/1/2010	7:00 - 17:00	10.00	WO/REP	44	A	P		HOLD SFT MTG. 0# SICP, 0# SITP. BRK REV CIRC & CONT TO DRL CMT F/ 5175'. FELL FREE @ 5240', CIRC WELL CLEAN. PSI TST CSG TO 1000#. LOST 20 PSI IN 10 MIN. BLEED PSI DWN. CONT TO RIH. TAG CBP @ 5270'. R/U AIR FOAM UNIT & BRK CONV CIRC. DRL OUT CBP IN 10 MIN. 0# PSI INC. CONT TO RIH. TAG SCALE @ 8865'. BRK CIRC & CLEAN OUT SCALE TO 8947'. CIRC WELL CLEAN. R/D DRL EQUIP. POOH STD BACK 20 JTS. SWI. SDFN. EOT @ 8313'
9/2/2010	7:00 - 17:30	10.50	WO/REP	44	D	P		HSM. 950# SICP, 550# SITP. BLEED PSI OFF. RIH W/ TBG. TAG SCALE @ 8957'. R/U DRL EQUIP. R/U AIR FOAM UNIT, BRK CONV CIRC & BEG TO DRL. C/O TO 8990'. FELL FREE. CONT TO RIH TAG FILL @ 9162'. BRK CIRC & C/O TO 9630'. (PBTD). CIRC WELL CLEAN. R/D DRL EQUIP. L/D 60 JTS TBG. CONT TO POOH, L/D BIT & BIT SUB. P/U 1.875 XN SEATING NIPPLE & RIH W/ 101 JTS TBG. SWI. SDFN EOT @ 3182'.
9/3/2010	7:00 - 12:00	5.00	WO/REP	31	I	P		HSM 900# SICP, 900# SITP CONT TO RIH W/ PROD TBG F/ 3182'. LAND TBG W/ EOT @ 7753.07'. ND BOPE. NUWH. BROACH TBG TO S.N. W/ 1.90" BROACH. POOH. RDMO KB 18' HANGER .83 245 JTS L-80 TBG. 7733.19' NOTCHED XN S.N. 1.05' EOT @ 7753.07'

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